Check each page for examples + helpful hints.

Patchogue Medford Middle Schools

8th Grade Math Emergency Assignment

Math 8R

Name_____

Week 1 - Assignment 1

Date_____ Period____

Solve each equation.

1) $-110 = -2(8x + 7)$

A) {6} B) {16}
C) {9} D) {14}

$-110 = -16x - 14$
$+14 \quad +14$
$-96 = -16x$
$\frac{-96}{-16} = \frac{-16x}{-16}$
$6 = x$

2) $-4(3n + 6) + 4 = -104$

A) {3} B) {−1}
C) {7} D) {−12}

3) $-135 = 5(6n + 3)$

A) {10}
B) {−5}
C) {16}
D) { All real numbers. }

4) $6(1 - 8m) + 3m = 231$

A) {8} B) {−9}
C) {−5} D) {−10}

5) $-224 = 7(5x + 8)$

A) {−13} B) {8}
C) {1} D) {−8}

6) $-130 = -5(1 - 5x)$

A) {4} B) {−5}
C) {−1} D) {11}

7) $-162 = -3x + 4(6 - 7x)$

A) {−10} B) {6}
C) {3} D) {−4}

$-162 = -3x + 24 - 28x$
$-162 = 24 - 31x$
$-24 \quad -24$
$\frac{-186}{-31} = \frac{-31x}{-31}$
$6 = x$

8) $-95 = -5(7x - 2)$

A) {5} B) {9}
C) {3} D) {15}

9) $1 - 6n = -n + 16$

A) {−2}
B) {−3}
C) {13}
D) { All real numbers. }

$1 - 6n = -n + 16$
$+6n \quad +6n$
$1 = 5n + 16$
$-16 \quad -16$
$\frac{-15}{5} = \frac{5n}{5}$
$-3 = n$

10) $n - 4n = -9 + 6n$

A) {−9}
B) {1}
C) { All real numbers. }
D) {14}

Steps:

"Don't Call Me After Midnight"

1. Distribute
2. Combine Like Terms on same side.
3. Move all variables to one side using inverse.
4. Add/Subtract constant.
5. Mult/Divide coefficient.

11) $1 + 6x = -13 - x$

A) $\{-3\}$ B) $\{-12\}$
C) $\{-2\}$ D) $\{3\}$

12) $1 - 2p = 5 - p$

A) $\{-8\}$ B) $\{-9\}$
C) $\{14\}$ D) $\{-4\}$

13) $14 + 1 + 2p + 6p = 4p - 5$

A) $\{-2\}$ B) $\{-5\}$
C) $\{1\}$ D) $\{-7\}$

14) $14 + b = 7b + 8$

A) $\{10\}$ B) $\{-12\}$
C) $\{13\}$ D) $\{1\}$

15) $\frac{x}{8} + 2 = 1$

A) $\{-8\}$ B) $\{-18\}$
C) $\{6\}$ D) $\{-4\}$

16) $\frac{a}{2} - 4 = -6$

A) $\{-14\}$ B) $\{-10\}$
C) $\{8\}$ D) $\{-4\}$

17) $-8m + 8 = -120$

A) $\{2\}$ B) $\{19\}$
C) $\{6\}$ D) $\{16\}$

18) $-5n + 6 = 31$

A) $\{-12\}$ B) $\{1\}$
C) $\{-5\}$ D) $\{14\}$

19) $-9p + 4 = -104$

A) $\{2\}$ B) $\{1\}$
C) $\{6\}$ D) $\{12\}$

20) $-24 = -p - 8$

A) $\{16\}$ B) $\{-8\}$
C) $\{-14\}$ D) $\{8\}$

Math 8R

Name _____

Week 1 - Assignment 2

Date _____ Period ____

Solve each proportion.

CROSS MULTIPLY Then Solve!

21) $\frac{5}{10} = \frac{6}{b}$

A) {2.5} B) {1}
C) {12} D) {6.5}

$\frac{5b}{5} = \frac{60}{5}$

$b = 12$

22) $\frac{2}{3} = \frac{a}{10}$

A) {2} B) {6.9}
C) {6.67} D) {6.6}

23) $\frac{5x}{5} = \frac{7}{6}$

A) {1} B) {1.17}
C) {2.8} D) {7.5}

24) $\frac{7}{4} = \frac{4}{r}$

A) {9} B) {2.29}
C) {5.9} D) {8.9}

25) $\frac{b}{2} = \frac{10}{8}$

A) {5} B) {2.5}
C) {6} D) {8}

26) $\frac{n}{4} = \frac{4}{3}$

A) {7.1} B) {4}
C) {5.33} D) {9.1}

27) $\frac{2}{9} = \frac{a}{3}$

A) {7} B) {8.8}
C) {6} D) {0.67}

28) $\frac{n}{8} = \frac{10}{4}$

A) {2} B) {4.1}
C) {2.9} D) {20}

29) $\frac{9}{3} = \frac{n}{10}$

A) {8} B) {9}
C) {30} D) {3}

30) $\frac{x}{10} = \frac{7}{9}$

A) {5} B) {7.78}
C) {3} D) {1}

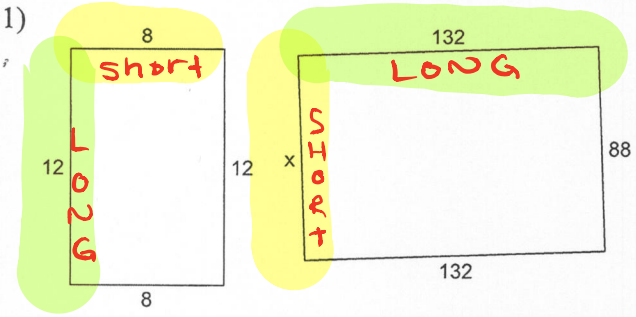
*Corresponding Sides are proportional.

Each pair of figures is similar. Find the missing side.

$\frac{8}{x} = \frac{12}{132}$

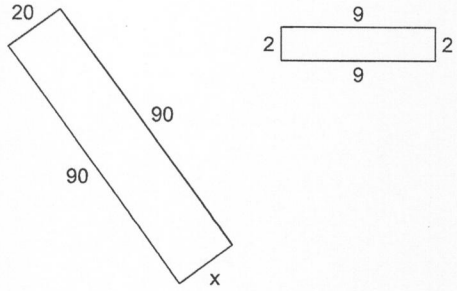
Finish This!

31)



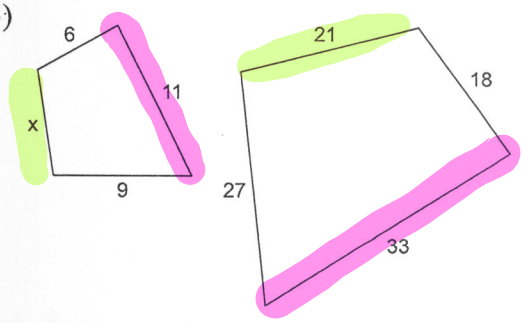
A) 88 B) 132 C) 11 D) 1452

32)



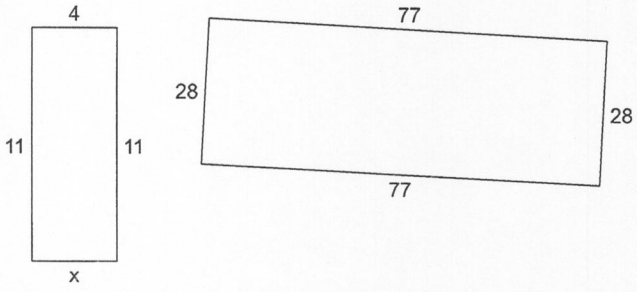
A) 2 B) 20
C) 0.2 D) 90

33)



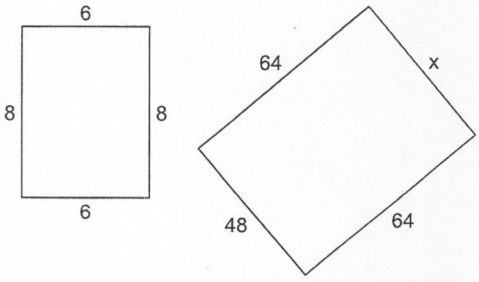
A) 27 B) 7
C) 54 D) 21

34)



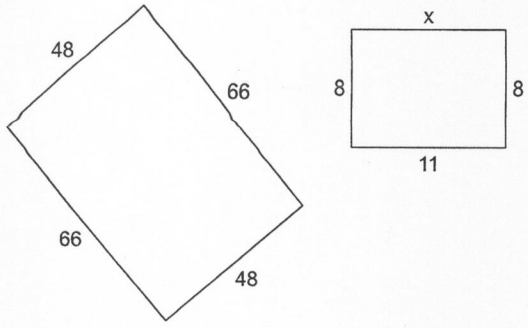
A) 77 B) 28 C) 7 D) 4

35)



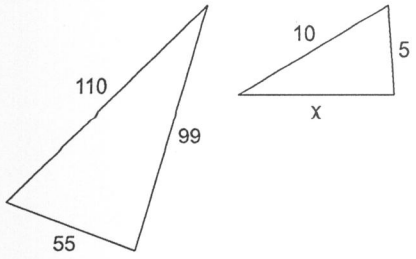
A) 8 B) 48
C) 6 D) 384

36)



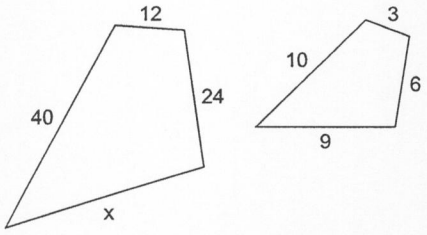
A) 6 B) 48
C) 11 D) 10

37)



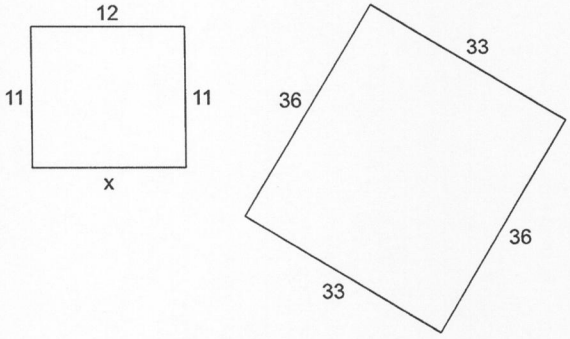
A) 99 B) 1210
C) 9 D) 55

38)



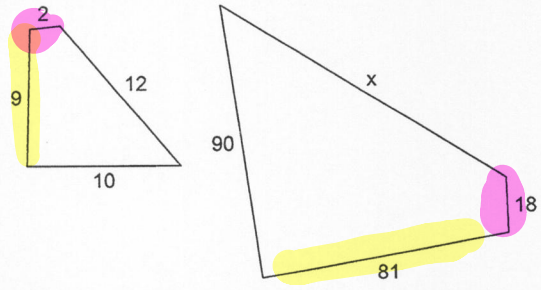
A) 40 B) 36
C) 25 D) 4

39)



A) 33 B) 36 C) 12 D) 3

40)



A) 162 B) 81
C) 108 D) 972

Math 8R

Name_____

Week 1 - Assignment 3

Date_____ Period____

Solve each system by elimination.

41) $-x - 8y = -18$
$x + 9y = 21$

A) $(-6, 3)$ B) $(6, -3)$
C) $(6, 9)$ D) $(6, 3)$

$y = 3$

choose an equation. $x + 9(3) = 21$
+substitute: $x + 27 = 21$
$-27 \quad -27$
$x = -6$

42) $3x + 9y = 12$
$-x - 9y = -10$

A) $(1, -1)$ B) $(1, 1)$
C) $(-1, -1)$ D) $(-1, 1)$

43) $6x + 8y = 0$
$-4x - 8y = -8$

A) $(-4, -1)$ B) $(4, 3)$
C) No solution D) $(-4, 3)$

44) $5x - 7y = 28$
$-x + 7y = 0$

A) $(7, 1)$ B) $(-6, 5)$
C) $(7, 5)$ D) $(7, -1)$

45) $2x - y = -8$
$-8x + y = 26$

A) $(3, -7)$ B) $(-3, 2)$
C) $(-3, -7)$ D) $(-7, -3)$

46) $-x + y = -10$
$-2x - y = -11$

A) $(7, 3)$ B) $(3, 7)$
C) $(-7, -3)$ D) $(7, -3)$

$\frac{-3x}{-3} = \frac{-21}{-3}$

$x = 7$ Now find y by plugging 7 in for x!

47) $7x - 2y = 12$
$-7x + 2y = -5$

A) $(8, -1)$ B) No solution
C) $(1, 8)$ D) $(8, 1)$

48) $10x + 7y = -13$
$8x - 7y = -23$

A) $(2, -3)$ B) $(-2, -3)$
C) $(-2, 1)$ D) $(-2, 3)$

49) $-4x - 9y = -22$
$7x + 9y = -2$

A) $(-8, 6)$ B) $(9, 6)$
C) $(-9, 6)$ D) $(9, -6)$

50) $10x + 4y = 0$
$-10x - 6y = -10$

A) $(2, -10)$ B) $(-2, 5)$
C) $(-2, -10)$ D) $(-2, -5)$

① Distribute ② Combine Like Terms (same variable + exponent)

Simplify each expression.

51) $-4x + 5 + x - 7$

A) $-3x - 2$ B) $2 - 5x$
C) 2 D) $2 - 2x$

52) $-6a + 10a$

A) $-14a$ B) $4a$
C) $6a$ D) $5a$

53) $9x + 8x$

A) $14x$ B) $-11x$
C) $8x$ D) $17x$

54) $8x + 2 + x + 9$ $= 9x + 11$

A) $-11x$ B) $13x - 1$
C) $9x + 11$ D) $-15x$

55) $10 - 3n + 5$

A) 0 B) $15 - 3n$
C) $15 - 11n$ D) $-7n$

56) $3r + 5r$

A) $-8r$ B) $8r$
C) $-14r$ D) $-18r$

57) $-8v - 2v$

A) $-9v$ B) $7v$
C) $-10v$ D) $-2v$

58) $-5n - 6 + 1 - 3n$

A) $-7n - 5$ B) $-8n - 5$
C) $4n$ D) $1 - 18n$

59) $-10x - 10x$

A) $16x - 13$ B) $-15x$
C) $-12x$ D) $-20x$

60) $2a + 3a$

A) $-1 - 4a$ B) $5a$
C) $-4a - 6$ D) $13a$

Math 8R

Name_____

Week 1 - Assignment 4

Date_____ Period____

Solve each system by substitution.

61) $y = -2x$
$-5x + 8y = 21$

A) $(-1, 6)$ B) $(-1, -2)$
C) $(-1, -7)$ D) $(-1, 2)$

$-5x + 8(-2x) = 21$
$-5x - 16x = 21$
$\frac{-21x}{-21} = \frac{21}{-21}$ $x = -1$
$y = -2(-1)$
$y = 2$

62) $-7x + 2y = 17$
$y = -5x$

A) Infinite number of solutions
B) $(5, -1)$
C) $(-1, 5)$
D) $(-1, -5)$

63) $y = -6x$
$5x + 5y = 0$

A) $(0, 0)$ B) $(1, 0)$
C) $(0, -4)$ D) $(0, 1)$

64) $-3x + 2y = 0$
$y = -6x$

A) $(0, 0)$ B) $(5, 0)$
C) $(-5, -8)$ D) $(-5, 0)$

65) $3x - y = 18$
$y = 6x$

A) $(6, 36)$ B) $(6, -36)$
C) $(-6, -36)$ D) $(-6, 5)$

66) $y = x$
$4x - 5y = 8$

A) $(-4, 8)$ B) $(-8, -8)$
C) No solution D) $(8, -4)$

67) $y = x$
$-3x + 4y = 1$

A) $(1, -1)$ B) $(-1, 1)$
C) $(1, 1)$ D) $(1, 8)$

68) $y = 5x$
$-3x - y = -16$

A) ~~$(8, -1)$~~ B) $(2, 10)$
C) ~~$(8, 1)$~~ D) $(2, -1)$

$-3x - 5x = -16$
$\frac{-8x}{-8} = \frac{-16}{-8}$ $x = 2$
$y = 5(2)$
$y = 10$

69) $y = 3x$
$5x + 3y = 14$

A) $(5, -3)$ B) $(5, 3)$
C) $(-5, -3)$ D) $(1, 3)$

70) $-6x + 3y = 12$
$y = 6x$

A) $(1, 6)$ B) $(-1, 6)$
C) $(7, 6)$ D) $(1, -6)$

71) $y = 6x$
$-7x - 4y = 0$

A) $(0, 2)$ B) $(0, 0)$
C) $(6, 6)$ D) $(6, 8)$

72) $y = 4x$
$7x - 4y = 0$

A) $(0, 0)$
B) $(0, -4)$
C) Infinite number of solutions
D) $(-2, 0)$

73) $-4x - y = -3$
$y = -7x$

A) $(6, -1)$ B) $(1, 6)$
C) No solution D) $(-1, 7)$

74) $2x - 2y = 4$
$y = 3x$

A) $(1, -4)$
B) $(-1, 4)$
C) $(-1, -3)$
D) Infinite number of solutions

75) $y = 8x$
$-24x + 3y = -6$

A) $(-5, -2)$ B) $(-5, -4)$
C) $(-5, 2)$ D) No solution

76) $y = -4x$
$-x - 2y = 7$

A) $(8, -4)$
B) $(1, -4)$
C) $(-8, -4)$
D) Infinite number of solutions

77) $y = x$
$8x - 4y = 20$

A) $(-5, 4)$ B) $(4, -5)$
C) $(5, 5)$ D) $(4, 5)$

78) $-4x - 2y = 0$
$y = -5x$

A) $(5, 1)$
B) Infinite number of solutions
C) $(0, 1)$
D) $(0, 0)$

79) $-6x + 3y = 0$
$y = -7x$

A) No solution
B) Infinite number of solutions
C) $(0, -6)$
D) $(0, 0)$

80) $y = 2x$
$-4x + 2y = 0$

A) $(8, -4)$
B) $(8, 8)$
C) $(7, -4)$
D) Infinite number of solutions

Remember: The angles inside a triangle have a sum (+) of 180°.

Math 8R

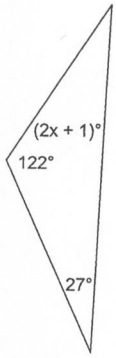
Name _____

Week 1 - Assignment 5

Date _____ Period ____

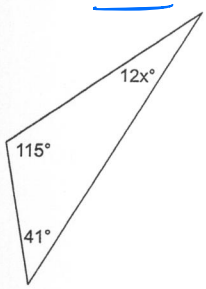
Find the value of x.

81)



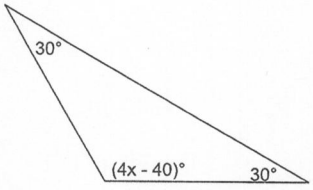
A) 21 B) 15
C) 9 D) 14

82)



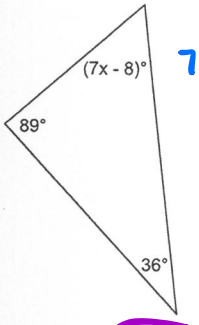
A) 19 B) 10
C) 2 D) 14

83)



A) 32 B) 40
C) 27 D) 18

84)



$7x - 8 + 89 + 36 = 180$

$7x + 117 = 180$

$-117 \quad -117$

$\frac{7x}{7} = \frac{63}{7}$

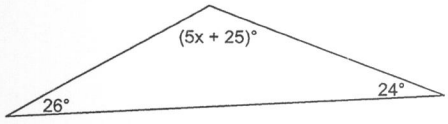
$x = 9$

A) 6 B) 9
C) 3 D) 4

85)

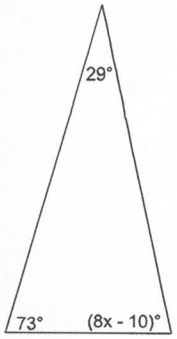
A) 13 B) 0
C) 3 D) 8

86)



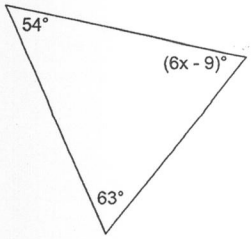
A) 21 B) 42
C) 37 D) 27

87)



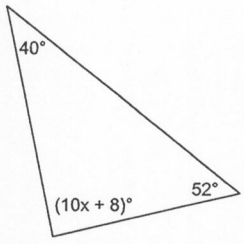
A) 21 B) 11
C) 22 D) 14

88)



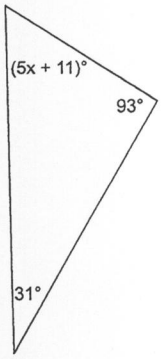
A) 6 B) 12
C) 15 D) 0

89)



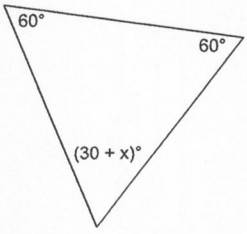
A) 8 B) 3
C) 5 D) 13

90)



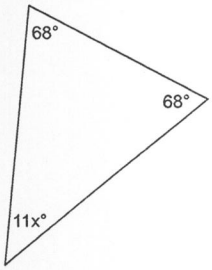
A) 9 B) 18
C) 11 D) 1

91)



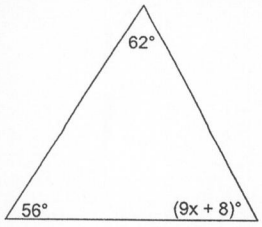
A) 31 B) 41
C) 30 D) 35

92)



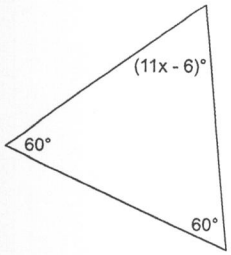
A) 4 B) 11
C) 5 D) 3

93)



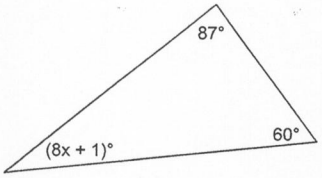
A) 6 B) 16
C) 30 D) 22

94)



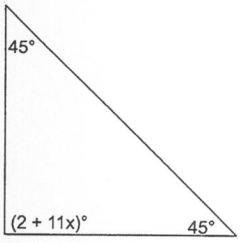
A) 6 B) 2
C) 8 D) 0

95)



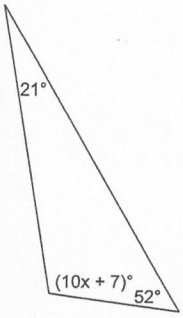
A) 4 B) 12
C) 17 D) 10

96)



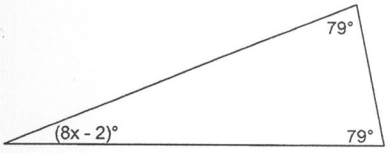
A) 8 B) 2
C) 5 D) 4

97)



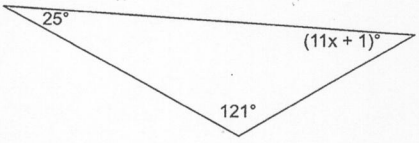
A) 15 B) 10
C) 1 D) 9

98)



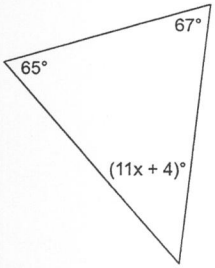
A) 6 B) 10
C) 12 D) 3

99)



A) 9 B) 17
C) 1 D) 3

100)



A) 19 B) 10
C) 4 D) 29

Math 8R

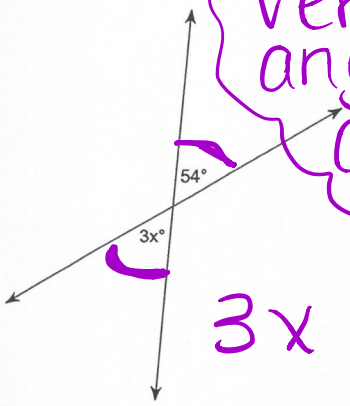
Name_____

Week 2 - Assignment 1

Date_____ Period____

Find the value of x.

1)

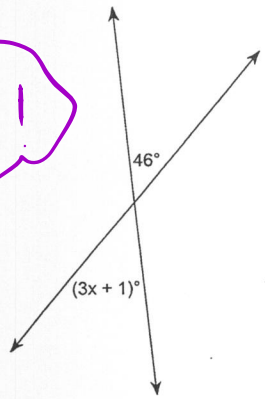


vertical angles are congruent!

$3x = 54$

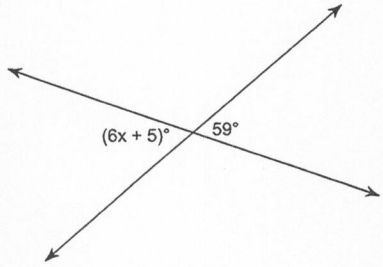
A) 14 B) 18
C) 13 D) 8

2)



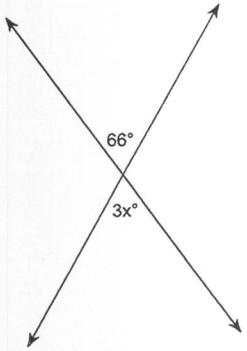
A) 15 B) 13
C) 10 D) 11

3)



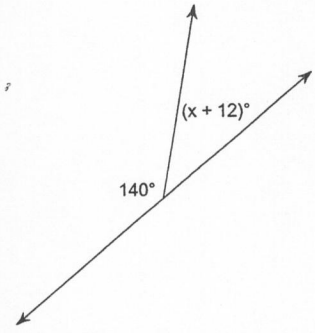
A) 8 B) 9
C) 0 D) 4

4)



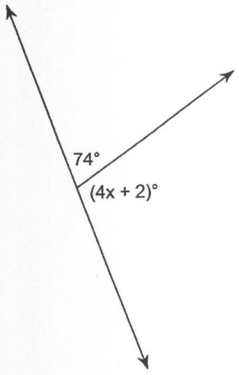
A) 28 B) 36
C) 30 D) 22

5)



A) 33 B) 43
C) 28 D) 37

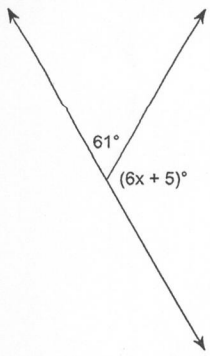
6)



A) 26 B) 37
C) 27 D) 33

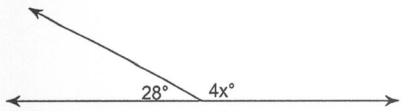
Supplementary Angles add up to 180°

7)



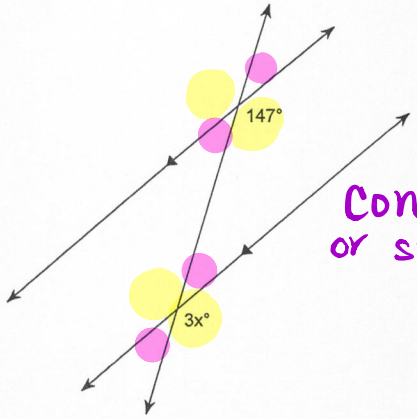
A) 21 B) 25
C) 19 D) 24

8)



A) 43 B) 45
C) 41 D) 38

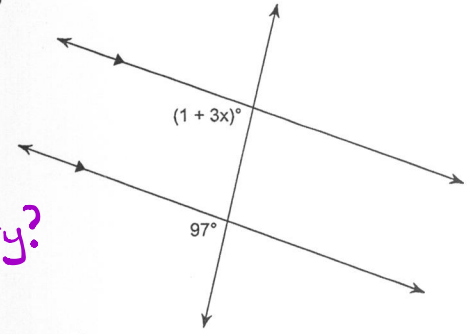
9)



Congruent or supplementary?

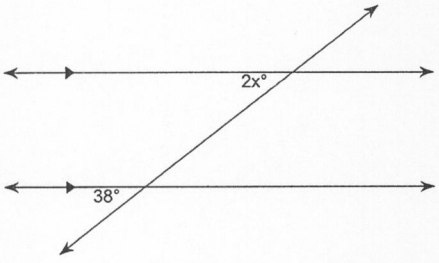
A) 49 B) 38
C) 41 D) 43

10)



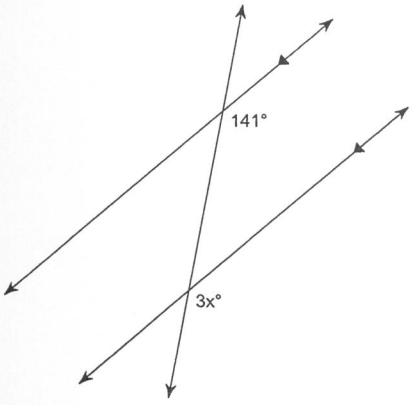
A) 32 B) 35
C) 34 D) 33

11)



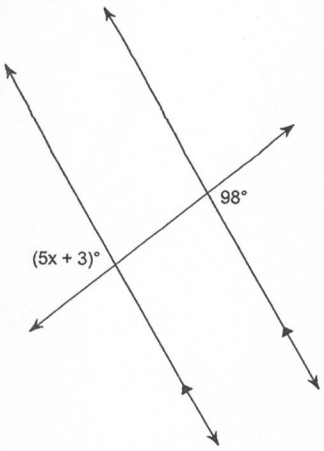
A) 21 B) 17
C) 19 D) 18

12)



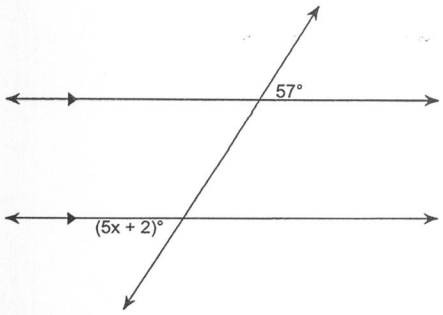
A) 52 B) 47
C) 46 D) 48

13)



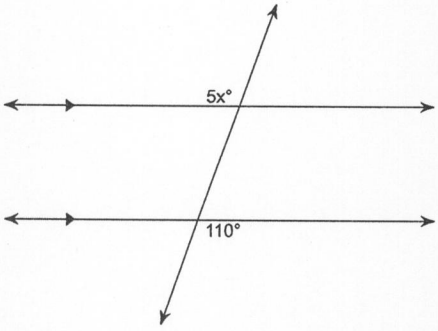
A) 18 B) 19
C) 26 D) 22

14)



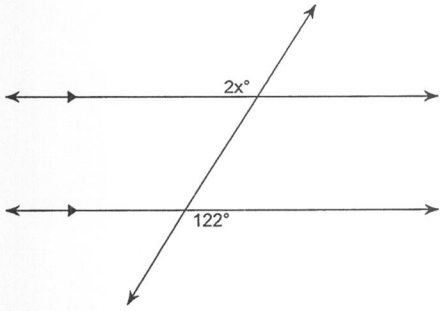
A) 21 B) 18
C) 11 D) 16

15)



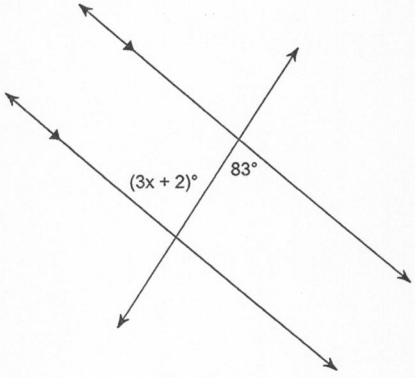
A) 19 B) 22
C) 16 D) 17

16)



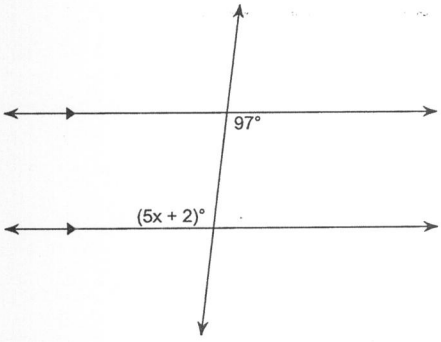
A) 69 B) 68
C) 64 D) 61

17)



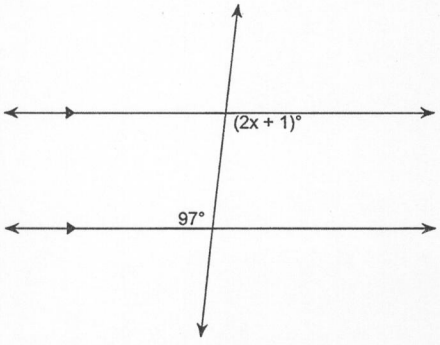
A) 33 B) 27
C) 37 D) 31

18)



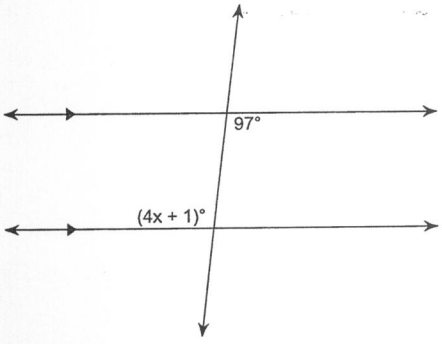
A) 19 B) 22
C) 18 D) 21

19)



A) 54 B) 49
C) 50 D) 48

20)



A) 24 B) 19
C) 17 D) 15

Math 8R

Name_____

Week 2 - Assignment 2 + Plug in + Simplify

Date_____ Period____

Evaluate each using the values given.

21) $(h)(h - j + h)$; use $h = 6$, and $j = 3$

A) 58 B) 54
C) 49 D) 59

22) $(y)(y - x) - 4$; use $x = 1$, and $y = 5$

A) 16 B) 17
C) 22 D) 13

$(5)(5-1)$
$5(4)$
20

23) $(q)\left(p - \frac{p}{5}\right)$; use $p = 5$, and $q = 3$

A) 12 B) 9
C) 7 D) 10

24) $(z)(z^2) - x$; use $x = 4$, and $z = 2$

A) 6 B) 3
C) 2 D) 4

25) $y + x + \frac{y}{2}$; use $x = 6$, and $y = 2$

A) 6 B) 9
C) 14 D) 4

26) $c - \frac{6}{6} - b$; use $b = 1$, and $c = 4$

A) 1 B) 2
C) 5 D) 3

Remember ( ) when substituting.

27) $p + p - m - 4$; use $m = 1$, and $p = 6$

A) 6 B) 2
C) 7 D) 4

28) $j^2 + h + 5$; use $h = 1$, and $j = 5$

A) 28 B) 32
C) 26 D) 31

$(5)^2 + (1) + 5$
$25 + 1 + 5$
31

29) $\frac{(p)(q-3)}{4}$; use $p = 2$, and $q = 5$

A) 1 B) 0
C) 7 D) 5

30) $m - p^2 + m$; use $m = 6$, and $p = 1$

A) 15 B) 17
C) 16 D) 11

Simplify each expression.

31) $x + 5 + 7$

A) $12x$ B) $9x$
C) $x + 3$ D) $x + 12$

32) $3x - 10x$

A) $5 - 13x$ B) $5 - 4x$
C) $-10x$ D) $-7x$

33) $2m - m$

A) $5m$ B) $11m$
C) $8m$ D) m

34) $k - 3 - 6k + 1$

A) $-5k - 2$ B) 0
C) $17 + 3k$ D) $17 + 4k$

35) $1 - 9a - 9$

A) $-8 - 9a$ B) $-8 - 10a$
C) 0 D) $-6a$

36) $-9n - 10n$

A) $-28n$ B) $-n - 6$
C) $-19n$ D) $-9n - 6$

37) $1 - 5p + 3p$

A) $1 - 3p$ B) $1 + 4p$
C) $1 - 2p$ D) $1 + p$

38) $3 + 6b - 3b$

A) $-6b - 11$ B) $13b$
C) $3 + 3b$ D) $-8b - 11$

39) $-9b + 10 - 6b$

A) $-12b - 2$ B) $-16b - 2$
C) $-24b - 2$ D) $-15b + 10$

40) $6n + 3n$

A) 0 B) $9n$
C) $1 + 7n$ D) $15n$

multiply coefficients add exponents | M A | D S | Divide coefficients, subtract exponents.

Math 8R

Name_____

Week 2 - Assignment 3

Date_____ Period____

Simplify. Your answer should contain only positive exponents.

41) $2k^4 \cdot 4k^3$

A) $8k^7$ B) $40k^6$
C) $16k^3$ D) $16k^4$

$8k^{4+3} = 8k^7$

Remember: 1 when there's no exponent!

42) $3n \cdot 2n \cdot 3n^4$

A) $18n^6$ B) $28n^5$
C) $64n^6$ D) $4n^4$

43) $8k \cdot 8k^2$

A) $12k^4$ B) $36k^3$
C) $64k^3$ D) $21k^7$

44) $3n^4 \cdot n^2$

A) $3n^6$ B) $5n^6$
C) $48n^8$ D) $14n^6$

45) $k^4 \cdot 8k$

A) $2k^4$ B) $18k^4$
C) $24k^5$ D) $8k^5$

46) $4n \cdot 3n$

A) $12n^2$ B) $8n^7$
C) $21n^3$ D) $7n^4$

47) $m \cdot 5m^3$

A) $6m^6$ B) $5m^4$
C) $24m^5$ D) $7m^4$

48) $2x^2 \cdot 5x$

A) $2x^4$ B) $32x^6$
C) $10x^3$ D) $18x^7$

49) $\frac{6r^4}{3r}$

A) $2r^3$ B) $4r^2$
C) r D) 1

50) $\frac{3x^2}{3x^1} = 1x^1 = x$

A) x B) $\frac{4}{3x^2}$
C) $\frac{7}{8}$ D) $\frac{1}{2}$

51) $\frac{3b^2}{4b^2}$

A) 1 B) $\frac{7}{b}$

C) $\frac{1}{4b^2}$ D) $\frac{3}{4}$

52) $\frac{2x^1}{5x^4} = \frac{2}{5x^3}$ ← doesn't divide or simplify. Keep variable where larger exponent is.

A) $\frac{2}{5x^3}$ B) $\frac{8}{3}$

C) x D) $\frac{7}{8}$

53) $\frac{5m^2}{2m^2}$

A) $\frac{5}{2}$ B) $\frac{8}{5m^2}$

C) $\frac{2}{m}$ D) $\frac{4}{3}$

54) $\frac{n}{5n^3}$

A) 1 B) $\frac{n}{3}$

C) $6n$ D) $\frac{1}{5n^2}$

55) $(x^1 \cdot 4x^2)^4 = (4x^3)^4 = 4^4 x^{3(4)} = 256x^{12}$ (4·4·4·4)

A) $192x^{12}$ B) $2x^{11}$

C) $324x^8$ D) $256x^{12}$

56) $(3p^3 \cdot p^3)^2$

A) $24p^9$ B) $36p^{12}$

C) $128p^6$ D) $9p^{12}$

57) $(3k^2 \cdot 2k^2)^2$

A) $4k^{10}$ B) $16k^6$

C) $36k^8$ D) $8k^6$

58) $(4x^2)^3 \cdot 3x^3$

A) $4x^{13}$ B) $2x^6$

C) $192x^9$ D) x^8

59) $(r^4)^3 \cdot 2r^2$

A) $27r^8$ B) $2r^{14}$

C) $64r^{16}$ D) $8r^6$

60) $(3b \cdot 3b^3)^3$

A) $729b^{12}$ B) $8b^{10}$

C) $2b^4$ D) $144b^8$

Math 8R

$m = \frac{y_2 - y_1}{x_2 - x_1}$

Name_____

Week 2 - Assignment 4

Date_____ Period____

Find the slope of the line through each pair of points.

61) $(-2, 14), (-9, -19)$ x_1, y_1, x_2, y_2

$\frac{(-19)-(14)}{(-9)-(-2)}$

$= \frac{-33}{-7} = \frac{33}{7}$

A) $-\frac{33}{7}$ B) $-\frac{7}{33}$

C) $\frac{33}{7}$ D) $\frac{7}{33}$

62) $(-16, 13), (-16, -8)$

A) Undefined B) 3

C) -3 D) 0

63) $(4, 20), (-16, 20)$

A) Undefined B) 1

C) 0 D) -1

64) $(19, 14), (4, 0)$

A) $-\frac{14}{15}$ B) $\frac{14}{15}$

C) $\frac{15}{14}$ D) $-\frac{15}{14}$

65) $(12, -13), (4, 20)$

A) $-\frac{33}{8}$ B) $\frac{8}{33}$

C) $\frac{33}{8}$ D) $-\frac{8}{33}$

66) $(-7, 2), (3, -6)$

A) $\frac{5}{4}$ B) $-\frac{5}{4}$

C) $\frac{4}{5}$ D) $-\frac{4}{5}$

67) $(0, -12), (20, 13)$

A) $-\frac{5}{4}$ B) $\frac{4}{5}$

C) $-\frac{4}{5}$ D) $\frac{5}{4}$

68) $(-8, -9), (-18, -6)$

A) $-\frac{10}{3}$ B) $\frac{3}{10}$

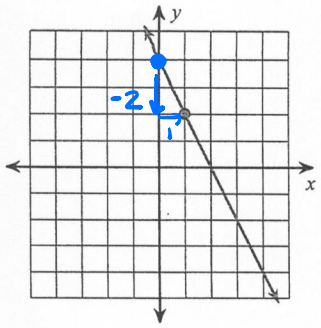
C) $\frac{10}{3}$ D) $-\frac{3}{10}$

Find the slope of each line.

$m = \frac{\text{Rise}}{\text{Run}}$ ↕ + / − ; → +

Always go left to right. →

69)

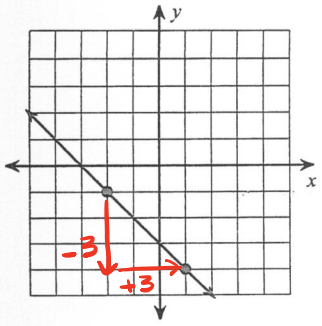


$m = \frac{-2}{1} = -2$

A) $-\frac{1}{2}$ B) −2

C) $\frac{1}{2}$ D) 2

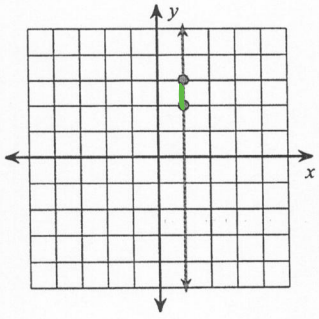
70)



A) $\frac{5}{4}$ B) −1 $m = \frac{-3}{3} = -1$

C) $-\frac{5}{4}$ D) 1

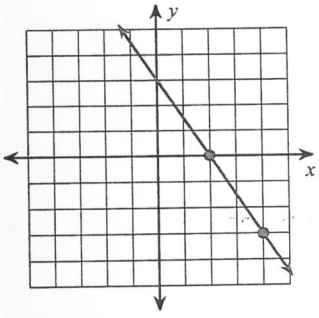
71)



A) $-\frac{3}{5}$ B) $\frac{3}{5}$

C) 0 D) Undefined

72)

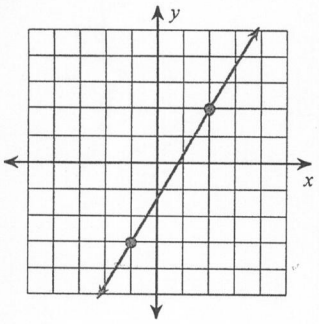


A) $\frac{3}{2}$ B) $-\frac{3}{2}$

C) $-\frac{2}{3}$ D) $\frac{2}{3}$

What kind of slope is this?

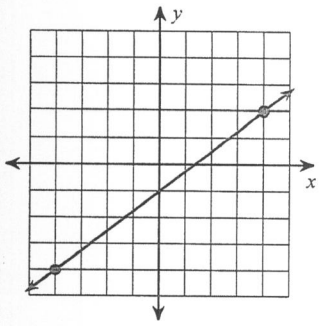
73)



A) $\frac{3}{5}$ B) $-\frac{5}{3}$

C) $\frac{5}{3}$ D) $-\frac{3}{5}$

74)



A) $-\frac{3}{4}$ B) $\frac{3}{4}$

C) $-\frac{4}{3}$ D) $\frac{4}{3}$

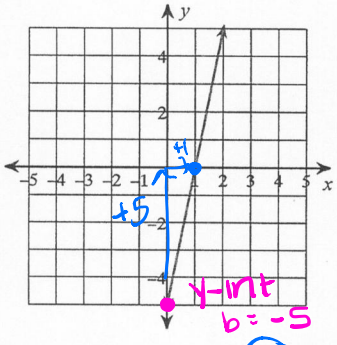
slope

y-intercept

$y = mx + b$

Write the slope-intercept form of the equation of each line.

75)



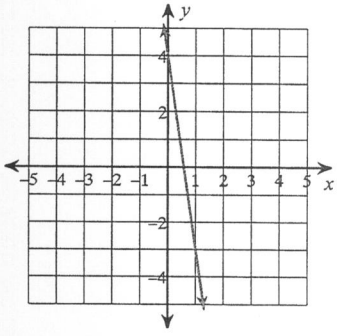
$m = \frac{5}{1} = 5$

$y = 5x - 5$

A) $y = -5x + 5$ B) $y = 5x - 5$

C) $y = 5x + 5$ D) $y = -3x + 5$

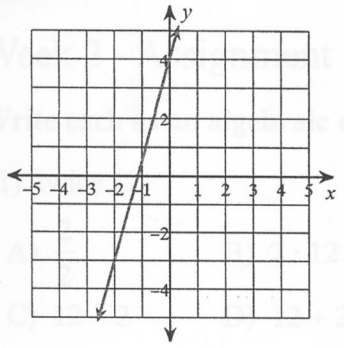
76)



A) $y = 7x + 4$ B) $y = -4x + 4$

C) $y = 4x + 4$ D) $y = -7x + 4$

77)



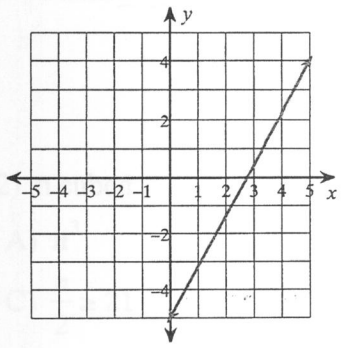
A) $y = \frac{7}{2}x + 4$

B) $y = 4x + \frac{7}{2}$

C) $y = -x + \frac{7}{2}$

D) $y = \frac{3}{2}x + \frac{7}{2}$

78)



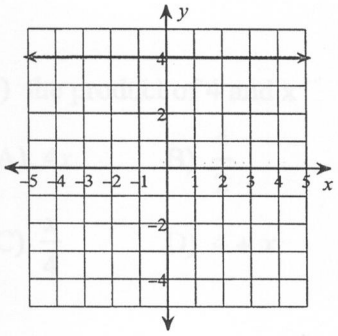
A) $y = -5x + \frac{9}{5}$

B) $y = \frac{9}{5}x - 5$

C) $y = -5x - \frac{9}{5}$

D) $y = -\frac{9}{5}x - 5$

79)



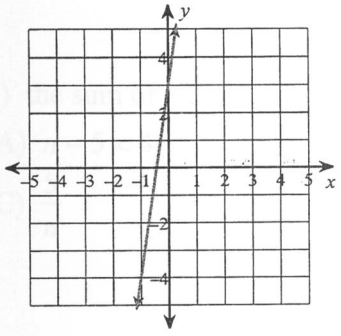
A) $y = 4$

B) $y = 3x + 4$

C) $y = -3x + 4$

D) $y = 4x + 3$

80)



A) $y = 3x + 7$

B) $y = -3x + 7$

C) $y = -7x + 3$

D) $y = 7x + 3$