

AIM: I can solve equations with Combining Like Terms.

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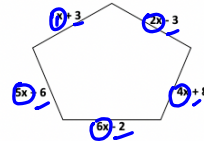
6. $\frac{1}{2}(8m-16) - 3(4m+6)$

$$4m - 8 - 12m - 18$$

$$-8m - 26$$

7. Find the perimeter of the following polygon

ADD $18x + 12$



Solving Equations with Like Terms

AIM: I can simplify and then solve a multi-step linear equation.

Warm Up: Simplify the following expressions by combining like terms-

(a) $7x + x - 9$

$$8x - 9$$

(b) $5x - 1 - 7x + 4$

$$-2x + 3$$

Guided Practice

Check

1. $3h - 5h + 11 = 17$

$$-2h + 11 = 17$$

$$-2h = 6$$

$$h = -3$$

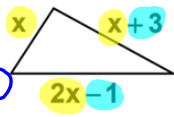
2. $5x - 27 + 4x = 81$

$$9x - 27 = 81$$

$$9x = 108$$

$$x = 12$$

3. Find the value of x if the perimeter is 30

$$4x + 2 = 30$$


A triangle is shown with side lengths labeled as x , $x+3$, and $2x-1$. The side x is on the left, $x+3$ is on the right, and $2x-1$ is the bottom side.