

2.3 Entry Task

Name: Key

Period: _____

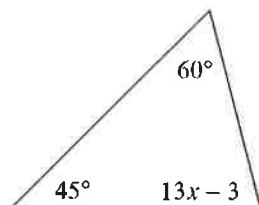
Directions: Answer the following questions. Be sure to show all work to receive full credit.

1. All angles in a triangle must add up to 180° .

2. The exterior angle of a triangle equals the sum of the two remote interior angles.

Find the value of x in each of the following:

3.



Equation to help solve:

$$180 = 60 + 45 + (13x - 3)$$

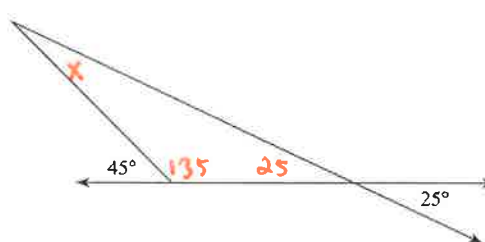
Solve for x .

$$180 = 102 + 13x$$

$$78 = 13x$$

$$x = \underline{6}$$

4.



Equation to help solve:

$$180 = 135 + 25 + x$$

Solve for x

$$180 = 160 + x$$

$$x = \underline{20}$$

$$\begin{cases} 45 = x + 25 \\ 20 = x \end{cases}$$

2.3 Entry Task

Name: _____

Period: _____

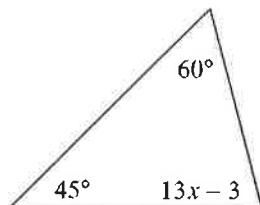
Directions: Answer the following questions. Be sure to show all work to receive full credit.

1. All angles in a triangle must add up to _____.

2. The exterior angle of a triangle equals the sum of the two _____.

Find the value of x in each of the following:

3.

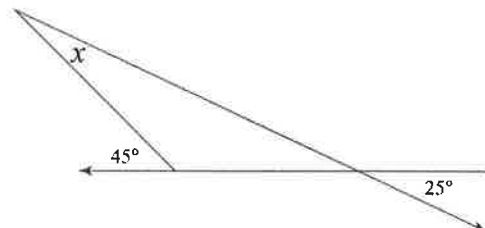


Equation to help solve:

Solve for x .

$$x = \underline{\hspace{2cm}}$$

4.

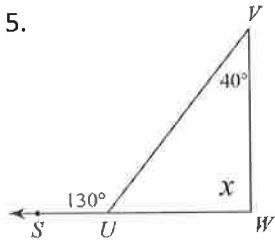


Equation to help solve:

Solve for x

$$x = \underline{\hspace{2cm}}$$

5.



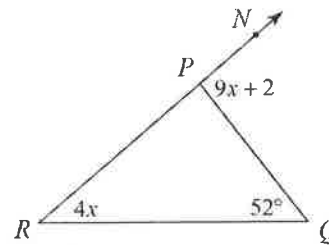
Equation to help solve:

$$130 = 40 + x$$

Solve for x.

$$x = 110^\circ$$

6.



Equation to help solve:

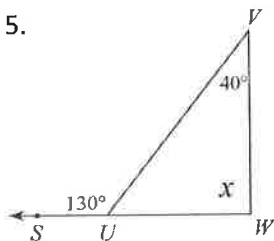
$$9x + 2 = 4x + 52$$

Solve for x

$$5x = 50$$

$$x = 10$$

5.

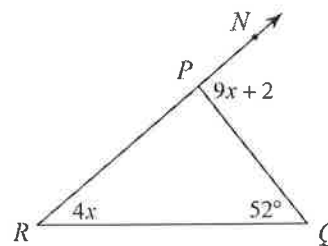


Equation to help solve:

Solve for x.

$$x = \underline{\hspace{2cm}}$$

6.



Equation to help solve:

Solve for x

$$x = \underline{\hspace{2cm}}$$