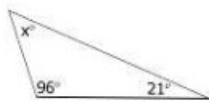


Sum and Exterior angle Theorem

Name _____

2) $x =$ _____

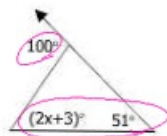


30
?
=75

3) $x =$ _____



5) $x =$ _____



$$100 = 2x + 3 + 51$$

$$\begin{array}{r} 100 = 2x + 54 \\ -54 \quad -54 \\ \hline 46 = 2x \end{array}$$

8) $x = \frac{46}{2} = 23$
 $23 = x$

6) $x =$ _____

9) $x =$ _____

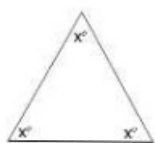


$$x + 3x + 2x = 180$$

$$6x = 180$$

$$x = 30$$

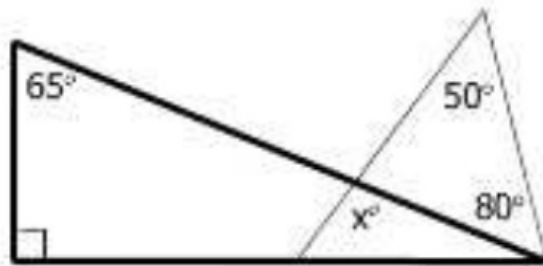
11) $x =$ _____



12) $x =$ _____

14) $x =$ _____

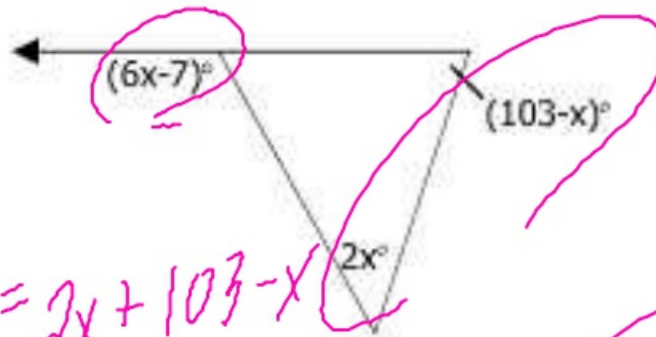
15) $x =$ _____



$$\begin{aligned} 44 + y + y &= \\ 2y + 44 &= \\ -44 & \\ \hline 2y &= 1 \\ \frac{2y}{2} &= \frac{1}{2} \\ 18) x &= \end{aligned}$$

17) $x =$ _____

18) $x =$ _____



$$\begin{aligned} 6x - 7 &= 2x + 103 - x \\ 6x - 7 &= x + 103 \\ -x & \\ \hline 5x - 7 &= 103 \\ +7 & \\ \hline 5x &= 110 \\ \frac{5x}{5} &= \frac{110}{5} \end{aligned}$$

$x = 22$

20) $x =$ _____

