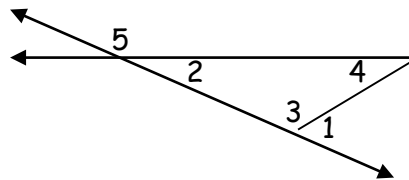


Math 2 Exterior Angles

Worksheet

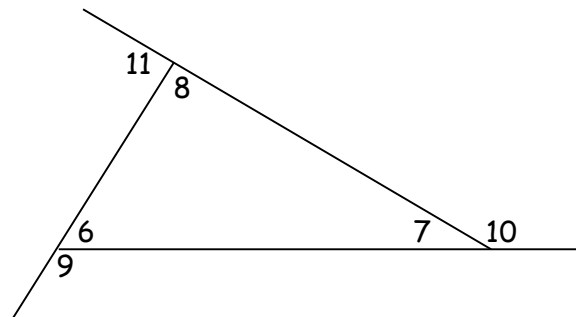
Use the figure at the right for problems 1-3.

1. Find $m\angle 3$ if $m\angle 5 = 130$ and $m\angle 4 = 70$.
2. Find $m\angle 1$ if $m\angle 5 = 142$ and $m\angle 4 = 65$.
3. Find $m\angle 2$ if $m\angle 3 = 125$ and $m\angle 4 = 23$.



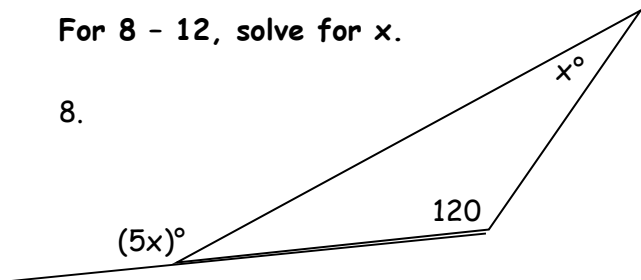
Use the figure at the right for problems 4-7.

4. $m\angle 6 + m\angle 7 + m\angle 8 = \underline{\hspace{2cm}}$.
5. If $m\angle 6 = x$, $m\angle 7 = x - 20$, and $m\angle 11 = 80$, then $x = \underline{\hspace{2cm}}$.
6. If $m\angle 8 = 4x$, $m\angle 7 = 30$, and $m\angle 9 = 6x - 20$, then $x = \underline{\hspace{2cm}}$.
7. $m\angle 9 + m\angle 10 + m\angle 11 = \underline{\hspace{2cm}}$.

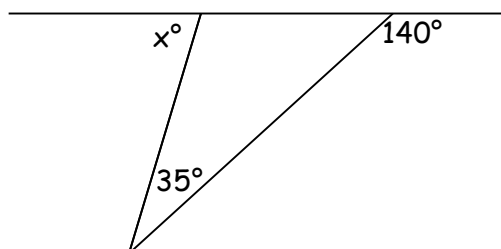


For 8 - 12, solve for x .

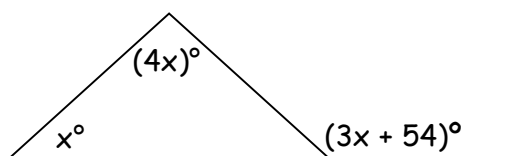
8.



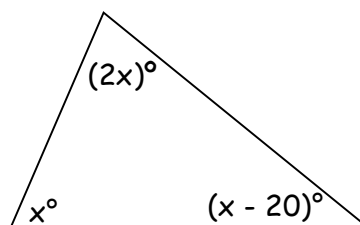
9.



10.



11.



12. Find $m\angle 1$, $m\angle 2$, $m\angle 3$, $m\angle 4$, and $m\angle 5$.

