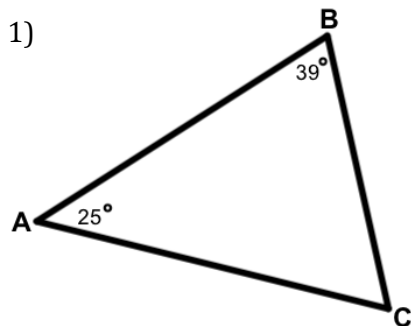
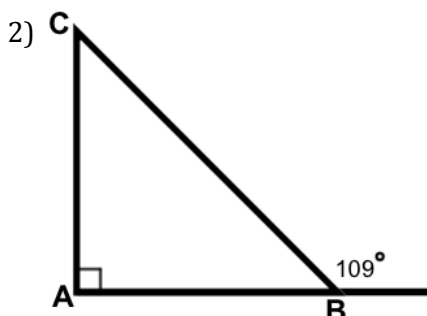


LEVEL: EMERGING

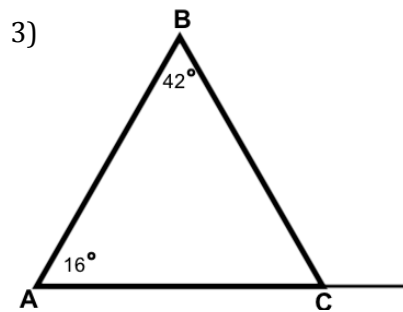
Directions: Find the measure of angle C in the diagram.



$m\angle C = \underline{\hspace{2cm}}$



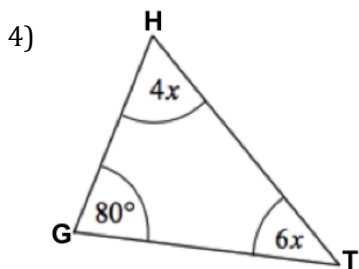
$m\angle C = \underline{\hspace{2cm}}$



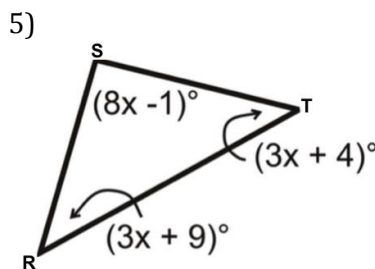
$m\angle C = \underline{\hspace{2cm}}$

LEVEL: PROFICIENT

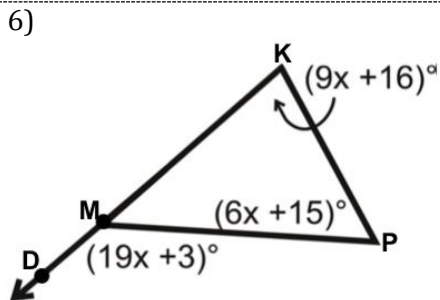
Directions: Find the value of x . Then find the measure of the indicated angle.



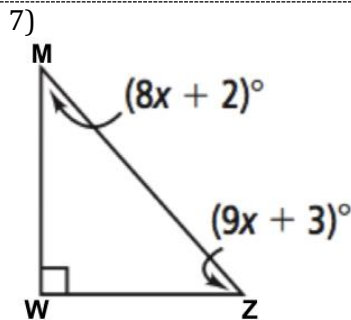
$x = \underline{\hspace{2cm}}$ $m\angle HTG = \underline{\hspace{2cm}}$



$x = \underline{\hspace{2cm}}$ $m\angle T = \underline{\hspace{2cm}}$



$x = \underline{\hspace{2cm}}$ $m\angle PMD = \underline{\hspace{2cm}}$



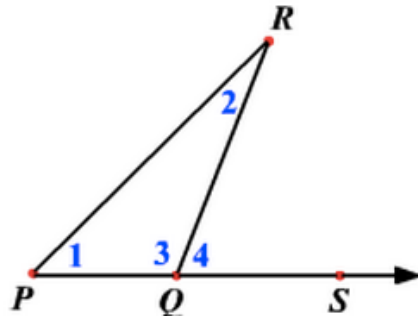
$x = \underline{\hspace{2cm}}$ $m\angle WMZ = \underline{\hspace{2cm}}$

LEVEL: MASTERY

8) What do all of the interior angles of a triangle add up to?

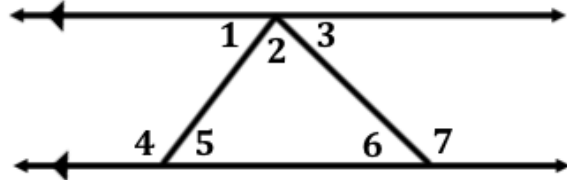
9) Describe the Exterior Angle Theorem in your own words.

10) $m\angle 3 = 112^\circ$.
Using the figure, select all of the correct responses. Select all that apply.



- (A) $m\angle 1 + m\angle 2 > 180^\circ$
- (B) $m\angle 1 + m\angle 2 < 180^\circ$
- (C) $m\angle 3 + m\angle 4 = 180^\circ$
- (D) $m\angle 1 + m\angle 2 = m\angle 4$
- (E) $m\angle 1 + m\angle 3 = m\angle 2$

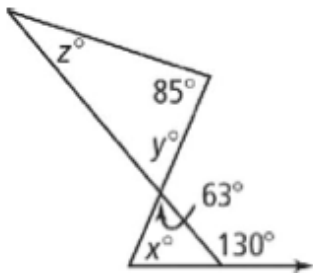
11) $m\angle 4 = 105^\circ$. Using the figure, select all of the correct responses. Select all that apply.



- (A) $m\angle 7 = m\angle 2 + m\angle 5$
- (B) $m\angle 5 + m\angle 6 < 180^\circ$
- (C) $m\angle 1 = m\angle 5$
- (D) $m\angle 1 + m\angle 4 > 180^\circ$
- (E) $m\angle 1 + m\angle 4 < 180^\circ$

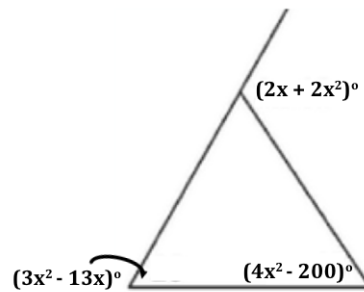
Directions: Find the value of the missing variables.

12)



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

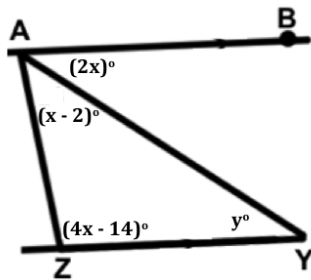
13)



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

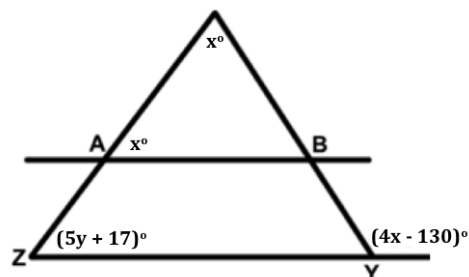
Directions: Find the value of x that makes lines \overline{AB} and \overline{ZY} parallel.

14)



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

15)



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