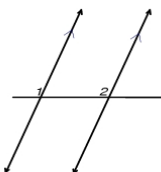


Parallel Lines Cut By a Transversal

~ 1 ~

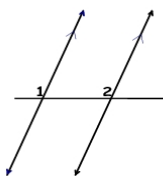
1. What is the relationship between $\angle 1$ and $\angle 2$?



- A. Alternate Interior Angles
- B. Alternate Exterior Angles
- C. Corresponding Angles
- D. Same-Side Interior Angles

Solve for the unknown angles. (2-6)

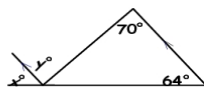
2.



$$m\angle 1 = 110^\circ$$

$$m\angle 2 = ?$$

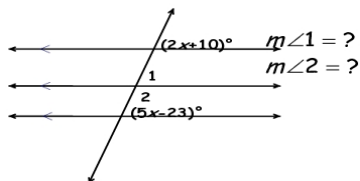
3.



$$x = ?$$

$$y = ?$$

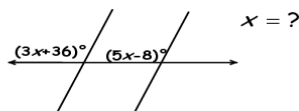
4.



$$m\angle 1 = ?$$

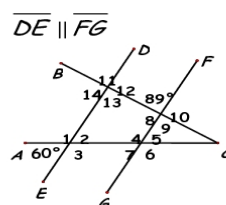
$$m\angle 2 = ?$$

5.



$$x = ?$$

6.



$$m\angle 1 = ? \quad m\angle 8 = ?$$

$$m\angle 2 = ? \quad m\angle 9 = ?$$

$$m\angle 3 = ? \quad m\angle 10 = ?$$

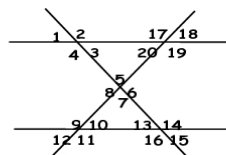
$$m\angle 4 = ? \quad m\angle 11 = ?$$

$$m\angle 5 = ? \quad m\angle 12 = ?$$

$$m\angle 6 = ? \quad m\angle 13 = ?$$

$$m\angle 7 = ? \quad m\angle 14 = ?$$

7.



$a \parallel b$ and d and c are transversals through a and b , if $m\angle 1 = 43^\circ$ and $m\angle 5 = 27^\circ$ then what is $m\angle 12$?

- A. 43°
- B. 110°
- C. 27°
- D. 153°

