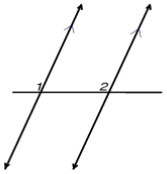
Parallel Lines Cut By a Transversal

~ 1 ~

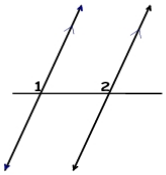
1. What is the relationship between $\angle 1$ and $\angle 2$?



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

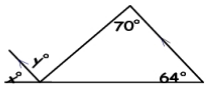
Solve for the unknown angles. (2-6)

2.



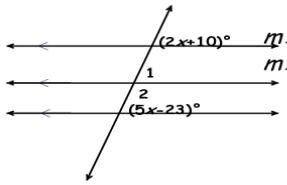
$m\angle 1 = 110°$
$m\angle 2 = ?$

3.



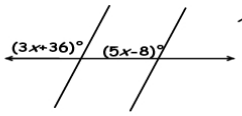
$x = ?$
$y = ?$

4.



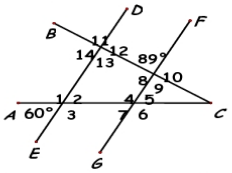
$m\angle 1 = ?$
$m\angle 2 = ?$

5.



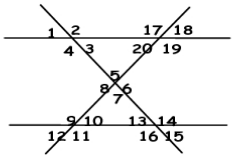
$x = ?$

6. $\overline{DE} \parallel \overline{FG}$



$m\angle 1 = ?$	$m\angle 8 = ?$
$m\angle 2 = ?$	$m\angle 9 = ?$
$m\angle 3 = ?$	$m\angle 10 = ?$
$m\angle 4 = ?$	$m\angle 11 = ?$
$m\angle 5 = ?$	$m\angle 12 = ?$
$m\angle 6 = ?$	$m\angle 13 = ?$
$m\angle 7 = ?$	$m\angle 14 = ?$

7.



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

A. 43° B. 110°
C. 27° D. 153°