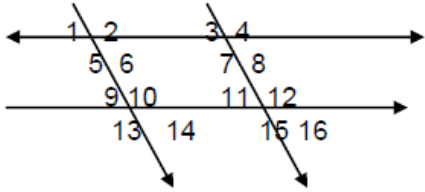


# Parallel Lines and Angles .... Set 1 (without Answers)

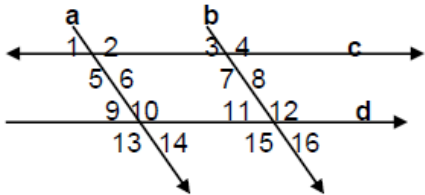
## Parallel Lines and Angles Quiz

For exercises 1- 7, classify each pair of angles as alternate interior angles, same-side interior angles, corresponding angles, or none of these.



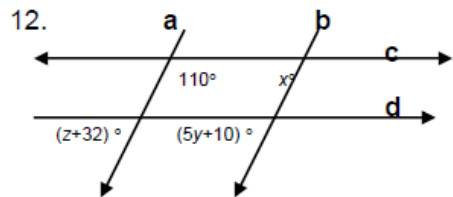
1.  $\angle 7$  and  $\angle 11$  \_\_\_\_\_
2.  $\angle 14$  and  $\angle 16$  \_\_\_\_\_
3.  $\angle 4$  and  $\angle 10$  \_\_\_\_\_
4.  $\angle 3$  and  $\angle 6$  \_\_\_\_\_
5.  $\angle 6$  and  $\angle 11$  \_\_\_\_\_
6.  $\angle 2$  and  $\angle 10$  \_\_\_\_\_
7.  $\angle 2$  and  $\angle 3$  \_\_\_\_\_

For exercises 8 – 11, assume that  $a \parallel b$  and  $c \parallel d$



8. Name all angles congruent to  $\angle 2$ . \_\_\_\_\_
9. Name all angles supplementary to  $\angle 2$ . \_\_\_\_\_
10. If  $m \angle 13 = 110$ , then  $m \angle 15 = ?$  and  $m \angle 3 = ?$  \_\_\_\_\_
11. If  $m \angle 7 = x$ , then  $m \angle 12 = ?$  and  $m \angle 6 = ?$  \_\_\_\_\_

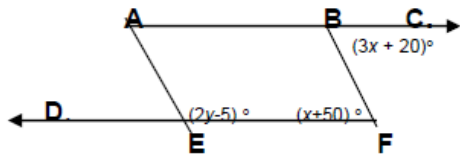
For exercise 12, assume that  $a \parallel b$  and  $c \parallel d$ . Find the values of  $x$ ,  $y$ , and  $z$ .



$x =$  \_\_\_\_\_       $y =$  \_\_\_\_\_       $z =$  \_\_\_\_\_

# Parallel Lines and Angles .... Set 1 (without Answers)

For exercise 13, find the values of  $x$  and  $y$  that make  $\overline{AC} \parallel \overline{DF}$  and  $\overline{AE} \parallel \overline{BF}$



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

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

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