

Name: .....

Date: ..... Score: .....

# Angles, Parallel Lines, and Transversals

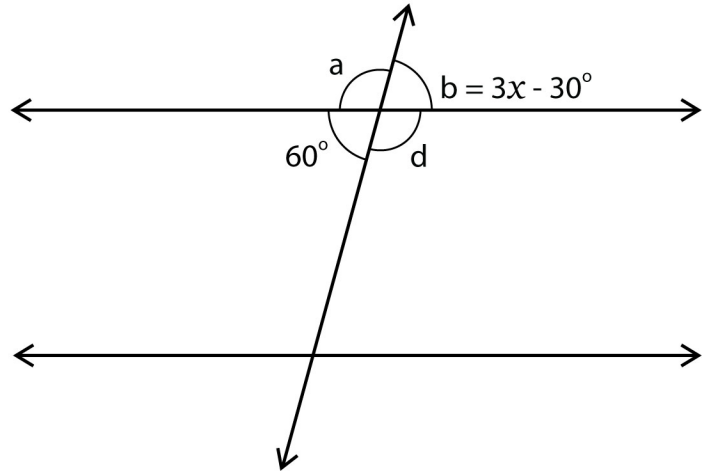
A) Find the unknown angles for the given figure.

1)  $\angle x =$  \_\_\_\_\_

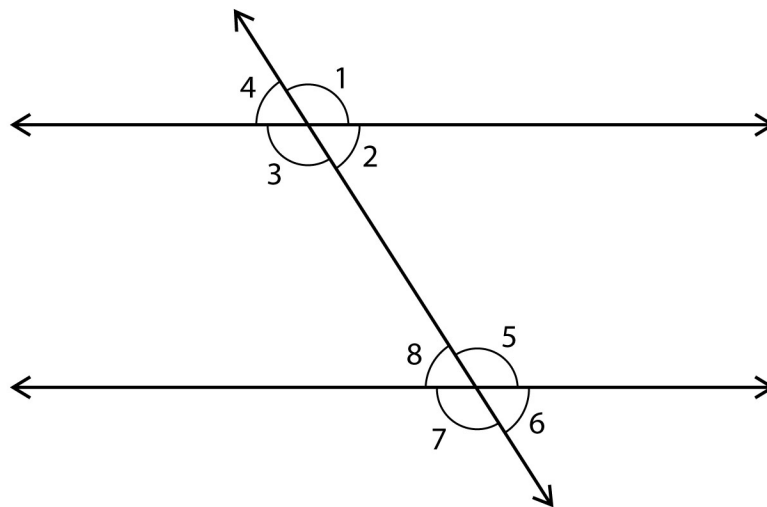
2)  $\angle a =$  \_\_\_\_\_

3)  $\angle d =$  \_\_\_\_\_

4)  $\angle b =$  \_\_\_\_\_



B) Using the figure given below, write all the possible pairs of angles for each type.



1) Corresponding angles = \_\_\_\_\_

2) Consecutive interior angles = \_\_\_\_\_

3) Alternate exterior angles = \_\_\_\_\_

4) Alternate interior angles = \_\_\_\_\_

Name: .....

Date: ..... Score: .....

# Angles, Parallel Lines, and Transversals

A)

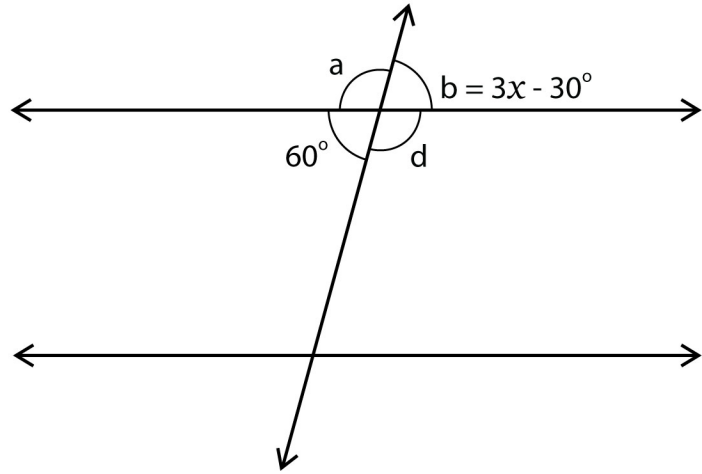
## Answers

1)  $\angle x = \underline{30^\circ}$

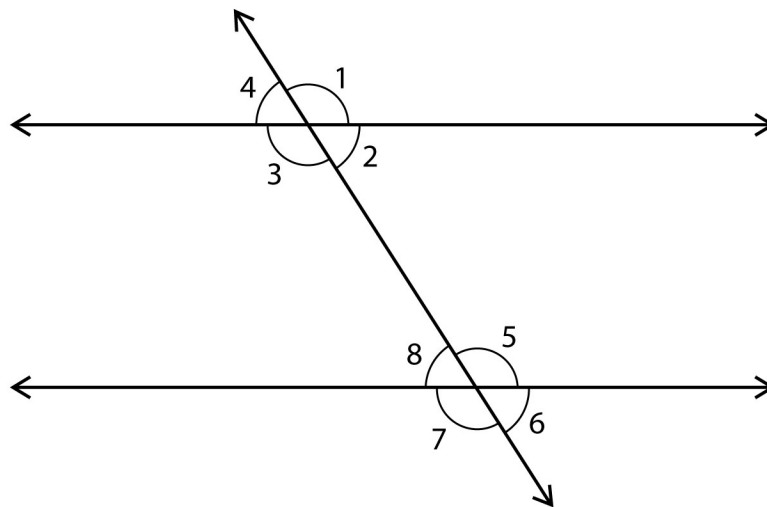
2)  $\angle a = \underline{120^\circ}$

3)  $\angle d = \underline{120^\circ}$

4)  $\angle b = \underline{60^\circ}$



B)



1) Corresponding angles =  $\angle 1$  &  $\angle 5$ ,  $\angle 2$  &  $\angle 6$ ,  $\angle 4$  &  $\angle 8$ ,  $\angle 3$  &  $\angle 7$

2) Consecutive interior angles =  $\angle 2$  &  $\angle 5$ ,  $\angle 3$  &  $\angle 8$

3) Alternate exterior angles =  $\angle 1$  &  $\angle 7$ ,  $\angle 4$  &  $\angle 6$

4) Alternate interior angles =  $\angle 2$  &  $\angle 8$ ,  $\angle 3$  &  $\angle 5$