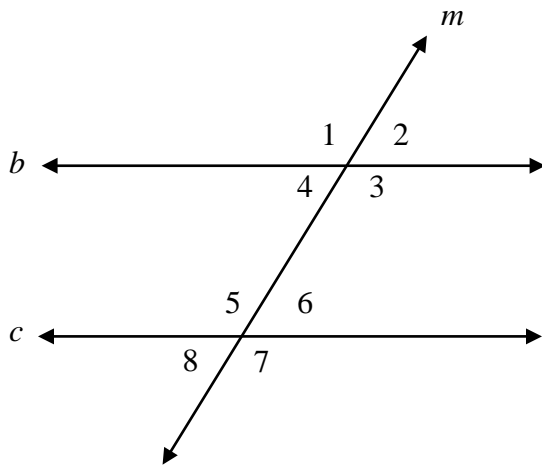




### Angles #1 (page 1)



1. Name the *transversal*:

Name the pairs of angles:

$\angle 1$  and  $\angle 7$  \_\_\_\_\_

$\angle 6$  and  $\angle 8$  \_\_\_\_\_

$\angle 4$  and  $\angle 6$ : \_\_\_\_\_

$\angle 1$  and  $\angle 5$ : \_\_\_\_\_

$\angle 1$  and  $\angle 2$ : \_\_\_\_\_

2. Name the *transversal*:

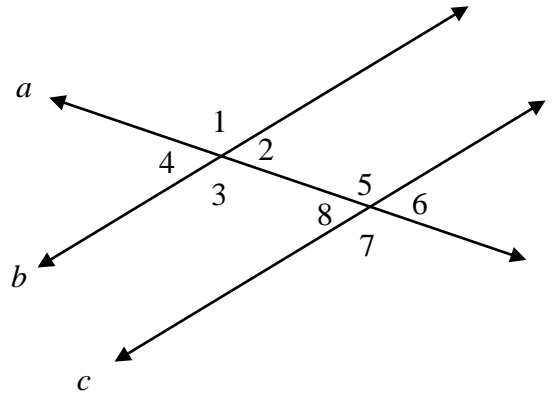
Name 2 different pairs of *corresponding angles*:

Name 2 different pairs of *supplementary angles*:

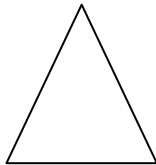
Name 2 different pairs of *alternate interior angles*:

Name 2 different pairs of *alternate exterior angles*:

Name 2 different pairs of *vertical angles*:



3. What do the interior angles of a triangle add up to? \_\_\_\_\_ degrees



## Angles #1 (page 2)

4. Draw a line from one vertex to another vertex in the rectangle.

How many triangles are there in the rectangle? \_\_\_\_\_

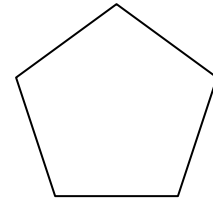
What do the interior angles of the quadrilateral add up to? \_\_\_\_\_



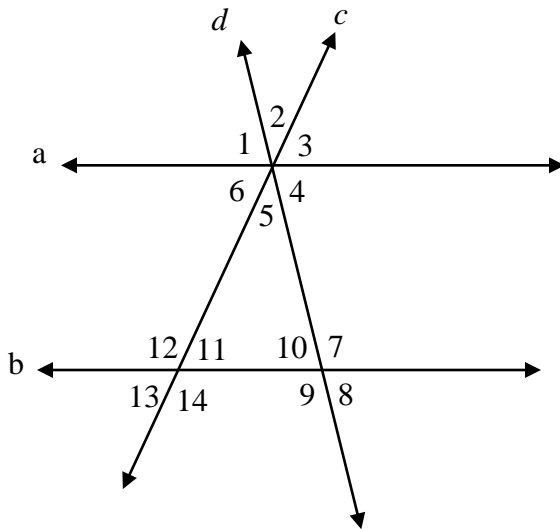
5. Draw lines from one vertex to the two other vertices in the pentagon.

How many triangles are there in the pentagon? \_\_\_\_\_

What do the interior angles of the pentagon add up to? \_\_\_\_\_



6. Name the transversal:



Name the pairs of angles:

$\angle 1$  and  $\angle 4$

\_\_\_\_\_

$\angle 4$  and  $\angle 10$

\_\_\_\_\_

$\angle 3$  and  $\angle 13$

\_\_\_\_\_

$\angle 1$  and  $\angle 10$

\_\_\_\_\_

$\angle 1 + \angle 2$  and  $\angle 12$

\_\_\_\_\_

$\angle 1 + \angle 2 + \angle 3$

\_\_\_\_\_

7. Solve for  $x$ . \_\_\_\_\_

Show your work.

