

Challenge Problems

8.3

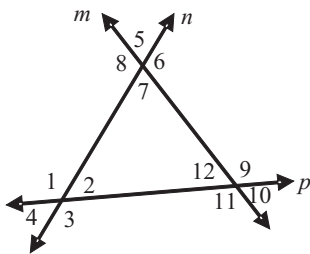
NAME _____

Module 8 Points, Lines, Angles, and Triangles
Lesson 3 Angle Relationships and Parallel Lines

Set 1

1 Two angles are complementary and congruent. Find the measures of the angles.

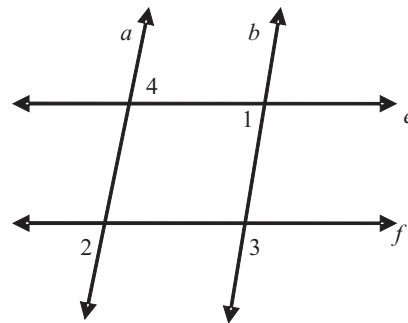
2 Identify the transversal that forms each pair of angles. Then, give the special angle pair name for that pair.



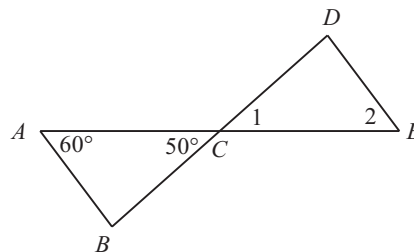
$\angle 2$ and $\angle 8$
 $\angle 5$ and $\angle 11$
 $\angle 2$ and $\angle 9$

Set 2

1 $a \parallel b$ and $e \parallel f$
If $m\angle 4 = 75^\circ$, find $m\angle 1$, $m\angle 2$, and $m\angle 3$.



2 $\overline{AB} \parallel \overline{DE}$
Explain how to find $m\angle 1$ and $m\angle 2$.



Additional Work Area