Challenge Problems

8.3

Set 1

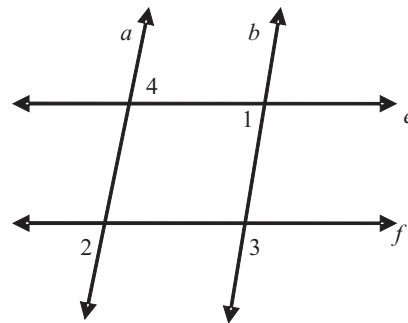**1** Two angles are complementary and congruent. Find the measures of the angles.

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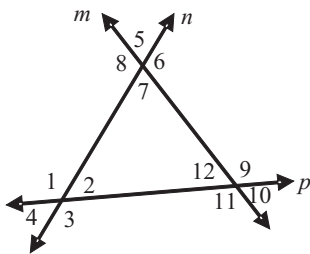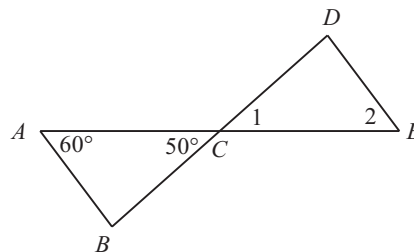

$\angle 2$ and $\angle 8$
$\angle 5$ and $\angle 11$
$\angle 2$ and $\angle 9$

Set 2

1 $a \parallel b$ and $e \parallel f$

If $m\angle 4 = 75°$, 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