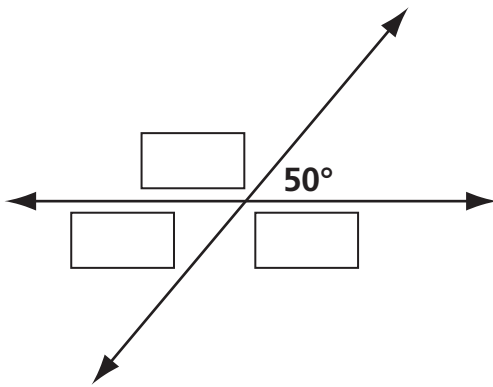Name _____   Date _____

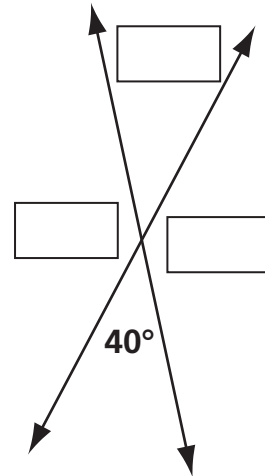# Angles Formed by Intersecting Lines

NCTM Standards 3, 4, 7, 9

Use your knowledge of straight angles and opposite angles to figure out the missing angle measures. (No protractors, please!)
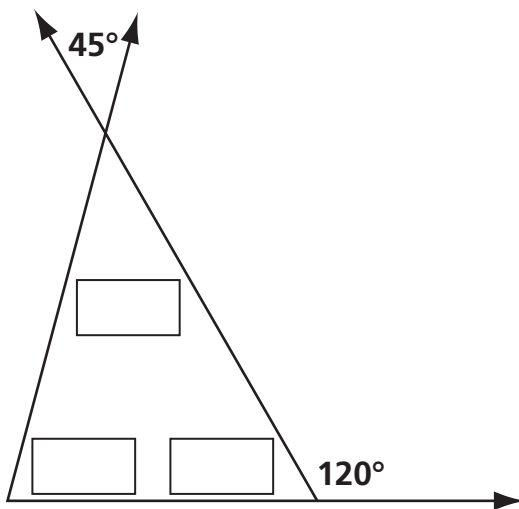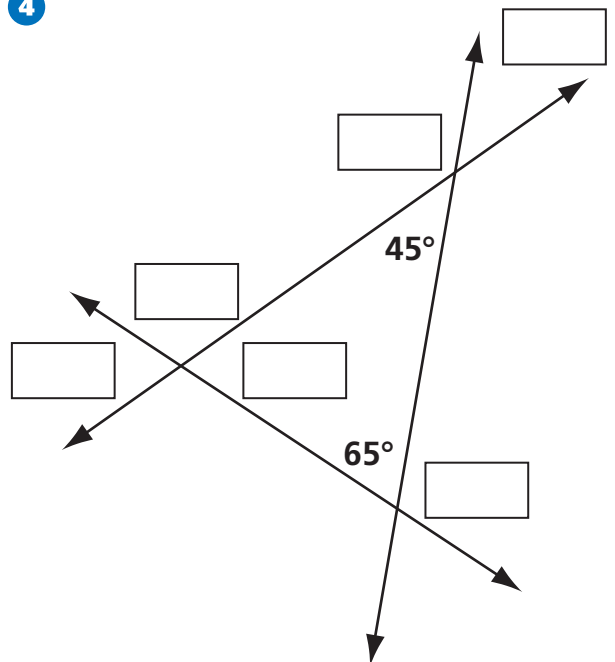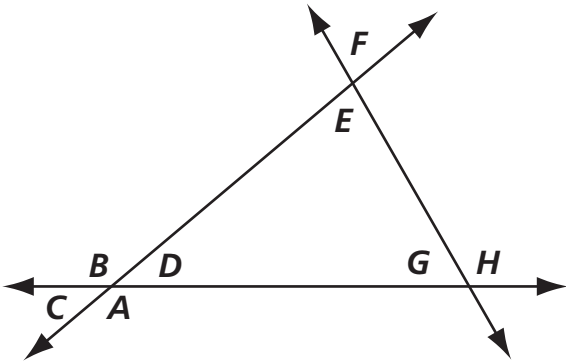
1

50°

2

40°

3

45°

120°

4

45°

65°

5 Fill in letters to make the number sentences true. No protractors, please!

$m\angle$ ___ $+ m\angle$ ___ $= \mathbf{180°}$

$m\angle$ ___ $+ m\angle$ ___ $+ m\angle$ ___ $= \mathbf{180°}$

6 Complete the table.

Angle	Measure
$\angle C$	40°
$\angle F$	80°
$\angle G$	
$\angle H$	
$\angle A$	

7 Find eight angles that measure 80°. You may use a protractor if you wish.
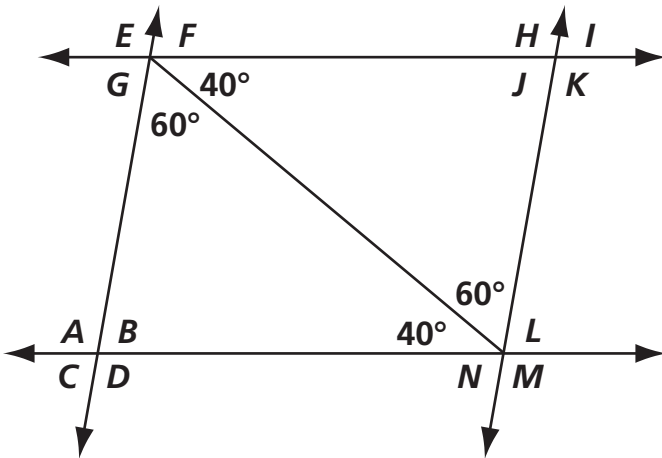
Angle	Measure
$\angle B$	80°
	80°
	80°
	80°
	80°
	80°
	80°
	80°
	80°

8 **Challenge** **Without** a protractor, figure out the angle measures and complete the table.
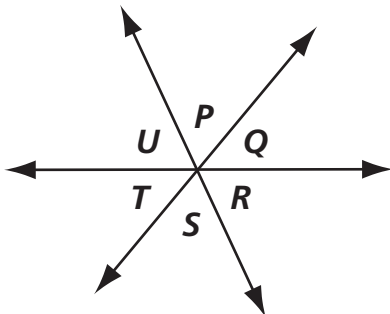
Angle	Measure
$\angle P$	65°
$\angle Q$	
$\angle R$	65°
$\angle S$	
$\angle T$	
$\angle U$	

182 one hundred eighty-two **CLXXXII** 2 × 7 × 13