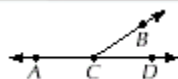




Diagnostic Checkpoint

MULTIPLE CHOICE

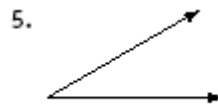
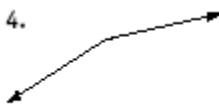
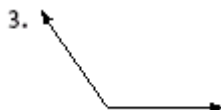
Use the figure at the right.



- Which is the best description of $\angle ACB$? (6-2)
 - right angle
 - straight angle
 - acute angle
 - obtuse angle
- Which is the best estimate of the measure of $\angle BCD$? (6-2)
 - 150°
 - 30°
 - 90°
 - 180°

FREE RESPONSE

Measure each angle. (6-2)



Draw each of the following. (6-1, 6-2, 6-3)

6. $\overleftrightarrow{CD} \parallel \overleftrightarrow{VW}$

7. $\overline{MN} \perp \overline{QR}$

8. Circle K with diameter \overline{XY}

9. $\angle DFG$ with a measure of 75°

10. If the radius of a circle is 5 cm long, how long is the diameter? (6-3)

11. The clock face at the right has been separated into equal central angles. What is the measure of each angle? (6-3)



Think It Through

- Be sure your protractor is placed correctly on the angle.
- Be sure you read the correct scale on the protractor.

Writing in Math

- \overleftrightarrow{AB} and \overleftrightarrow{FG} are parallel and \overleftrightarrow{RS} is perpendicular to \overleftrightarrow{AB} . Draw a picture. Are \overleftrightarrow{RS} and \overleftrightarrow{FG} parallel, intersecting, or perpendicular? Explain why. (6-1)
- \overleftrightarrow{PQ} and \overleftrightarrow{ST} intersect at point W , but they are not perpendicular. Draw a picture. Name two sets of angles whose sum is 180° . Explain how you could tell, without measuring the angles. (6-1, 6-2)