

Angles and Angle Measurement: End-of-Unit Assessment

1. Here is Andre's drawing of two line segments.

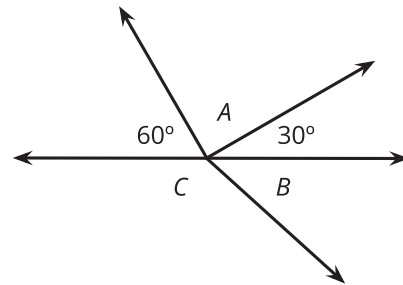


- a. Circle Andre's two segments.
- b. If the segments are extended in both directions, are the lines parallel? Are they perpendicular? Explain how you know.

2. Select **all** correct statements.

- A. There are 360 one-degree angles in a circle.
- B. There are 180 one-degree angles in a circle.
- C. There are 90 one-degree angles in a right angle.
- D. There are 180 one-degree angles in a right angle.
- E. There are 4 right angles in a circle.

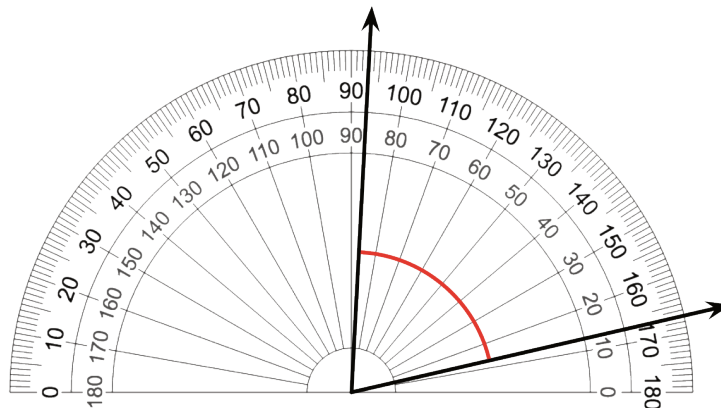
3. The 60° angle, the 30° angle, and angle A together make a straight angle.



Select **all** correct statements.

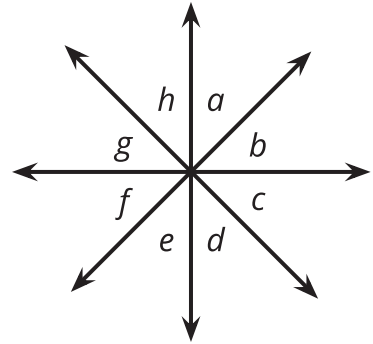
- A. Angle A is acute.
- B. Angle B is acute.
- C. Angle C is acute.
- D. Angle A is obtuse.
- E. Angle B is obtuse.
- F. Angle C is obtuse.

4. What is the measure of the angle?



- A. 74 degrees
- B. 87 degrees
- C. 93 degrees
- D. 167 degrees

5. Angles a – h each have the same measurement. What is that measurement? Explain or show your reasoning.



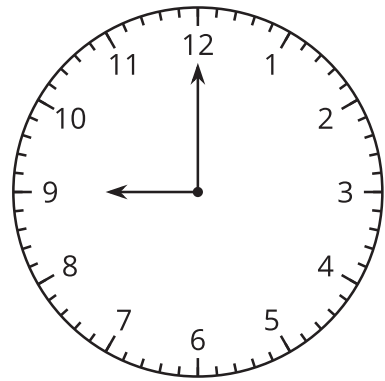
6. Use a protractor to complete the following:

- Draw a ray that makes a 25 degree angle with the given ray.
- Draw a ray that makes a 60 degree angle with the given ray.
- What is the size of the angle made by the two rays you drew? Explain how you know.



7. a. The clock shows when Diego's spelling class begins.

What angle do the hour and minute hand on the clock make?



- b. During the spelling class, the hour hand turns 15 degrees. How long is the spelling class? Explain or show your reasoning.