

Name _____

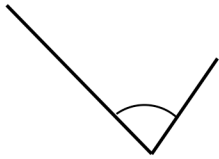
Date _____

1. Use a protractor to measure the angles, and then record the measurements in degrees.

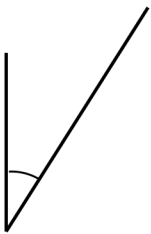
a.



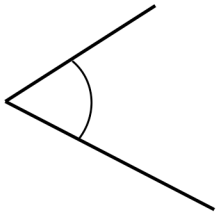
b.



c.



d.



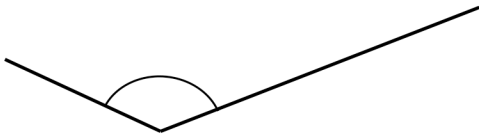
e.



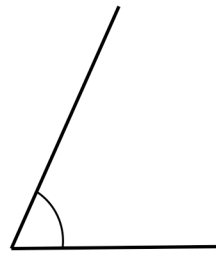
f.



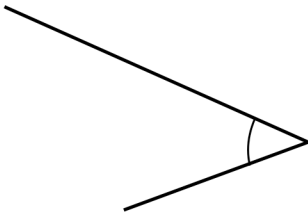
g.



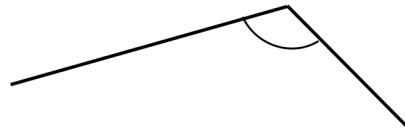
h.



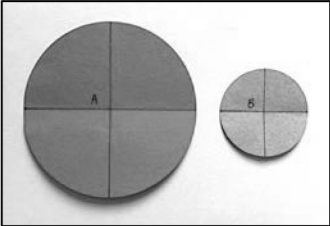
i.



j.



2. Using the green and red circle cutouts from today's lesson, explain to someone at home how the cutouts can be used to show that the angle measures are the same even though the circles are different sizes. Write words to explain what you told him or her.

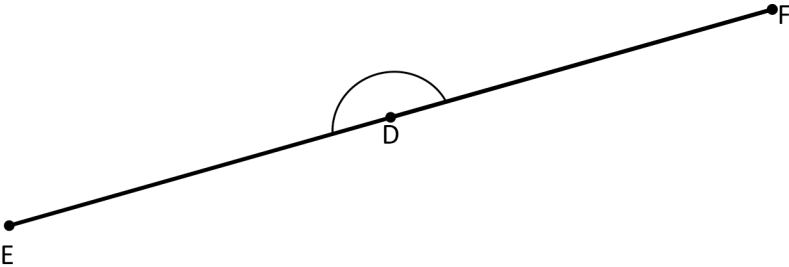


3. Use a protractor to measure each angle. Extend the length of the segments as needed. When you extend the segments, does the angle measure stay the same? Explain how you know.

a.



b.



Answer Key

1.
 - a. 67°
 - b. 78°
 - c. 32°
 - d. 60°
 - e. 105°
 - f. 153°
 - g. 135°
 - h. 65°
 - i. 45°
 - j. 118°
2. Explanations will vary.
3.
 - a. 180°
 - b. 180° ; explanations will vary.