

Lesson 5.3 Drawing Geometric Shapes: Triangles

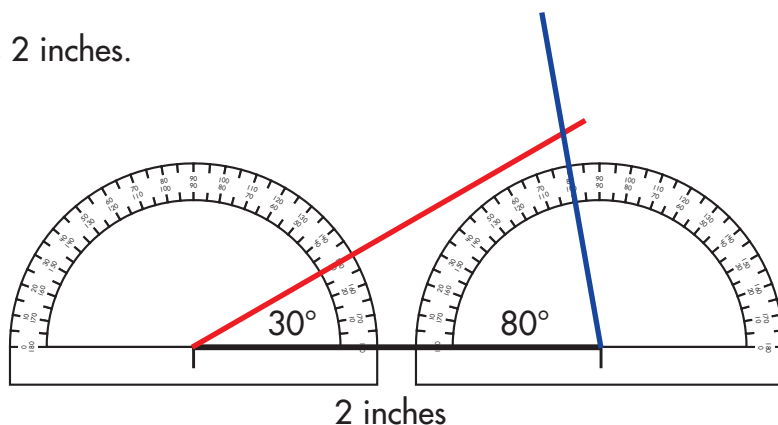
When given two angle measures and one side length, a protractor and ruler can be used to create a triangle.

Draw a triangle that has angles of 30° and 80° and a side between them of two inches.

Step 1: Use a ruler to draw a line that is 2 inches.

Step 2: Use a protractor to draw a line that creates the desired angle with the first line (30°).

Step 3: Use the protractor to measure the 2nd known angle from the other end of your original line.



Step 4: Label the triangle.

Use the angles and side lengths given to create triangles. Label the measurements on your drawing.

a

- 1.** angles: 50° and 55°
side: 1 inch

b

- angles: 120° and 30°
side: 2 cm

- 2.** angles: 75° and 40°
side: 3 inches

- angles: 60° and 100°
side: 2 inches