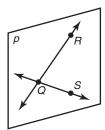
## **Quiz: Tools of Geometry**

Write the term that best completes each statement.

- 1) A(n) \_\_\_\_\_ is a portion of a line that begins with a single point and extends infinitely in one direction.
- 2) Two or more line segments of equal measure are . . .
- 3) The points where a line segment begins and ends are the \_\_\_\_\_.
- 4) A(n) \_\_\_\_\_ is a portion of a line that includes two points and all of the collinear points between the two points.
- 5) A(n) is a straight, continuous arrangement of an infinite number of points.
- **6)** Two or more lines located in the same plane are
- 7) Points that are all located on the same line are \_\_\_\_\_\_.
- 8) A location in space is a .
- 9) A flat surface is a(n)
- 10) Identify the point(s), line(s), and plane(s) in the figure. Use proper notation. Separate items in each list with commas.

Points:

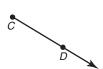


Lines:

Planes:

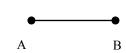
11) Identify each geometric figure using symbols (not words).

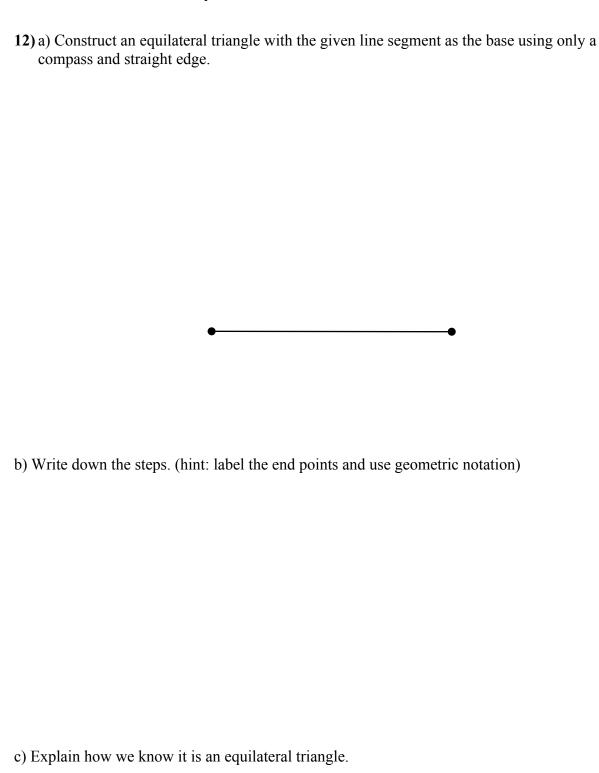
a)



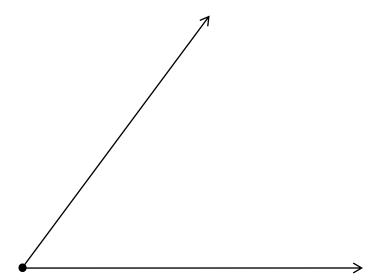


c)

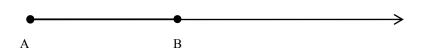




- 13) a) Construct an angle congruent to the given angle below using the given ray as one side.
  - b) Write down the steps.
  - c) Explain how we know the angles have the same measure.



**14)** Given  $\overrightarrow{AB}$  and that A, B, and C are collinear. Construct the point C using your compass so that point B is located halfway between points C and A.



**15)** What was the name of the famous Greek teacher of mathematics who wrote the geometry textbook, *Elements*, which has been published more than any other mathematics textbook ever?