**DIRECTIONS:** Make sure to read each question carefully and fully answer each part of the question

1) A line segment on a number line has endpoints with coordinates –12 and 20.

What is the length of the segment? **(HINT: Draw a number line from -12 to 35)**

**F** 8 **G** 12 **H** 20 **J** 32

2) Segment is 32. Which of the following are the possible coordinates of the other endpoint?

I. – 44

II. – 20

III. 20

IV. 44

**F** I and II **G** I and III **H** II and IV **J** III and IV

**Look at the figure below:**

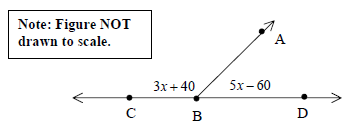


4) If the length of is 300, what is the length of ?

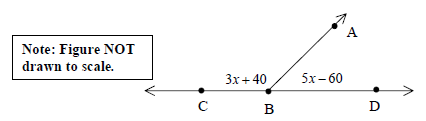
5) Points *P*, *Q*, and *R* are collinear, with *Q* between *P* and *R*. Draw a diagram of the segment. Then, if  What is the length of ?

6)Which of the following is NOT one of the undefined terms of geometry?

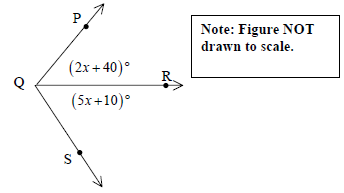
**A** angle **B** line **C** point **D** plane

7) **Look at the figure to the right:**

Angles ABC and ABD form a linear pair. What is the value of *x*?

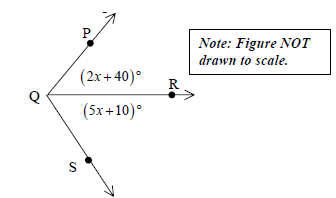
8) **Look at the figure to the right:**

Angles ABD and ABC form a linear pair. What is the measure of angle ABD?

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4) **Look at the drawing to the right:**

If ** is the angle bisector of ∠*PQS* , what is the measure, in degrees, of ∠*PQS* ?

5) **Look at the drawing to the right:**

If  is the angle bisector of ∠*PQS* , what is the measure, in degrees, of∠*PQS* ?