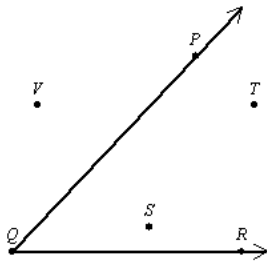
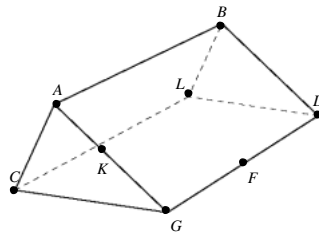


- 1) Name three points in the diagram below that are not collinear. _____



For #2-4, refer to the diagram to the right:

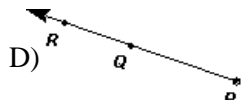
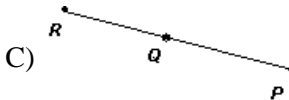
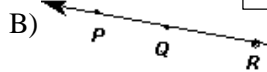
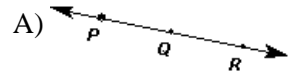
- 2) How many planes are shown in the figure?



- 3) Name three *non-collinear* points

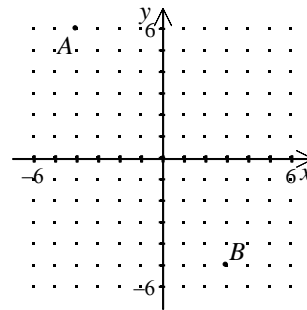
- 4) Name a point that is NOT coplanar with G, A and B.

- 5) \overrightarrow{PR} is represented by which sketch?



- 6) Do \overrightarrow{PQ} and \overrightarrow{QP} refer to the same ray? Explain your answer.

- 11) Using the Pythagorean Theorem, find AB below.



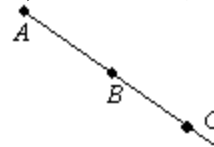
- 12) Find the distance between the points $(-1, 2)$ and $(-3, 4)$ using the distance formula.

- 13) Find the midpoint of $A(2, -5)$ and $B(-8, 8)$.

- 14) If $AB = 48$ and $AC = 72$, find the length of \overline{BC} .



- 15) $AB = x + 16$, $BC = 5x + 10$, $AC = 56$. Find x .



For #7-9, write the possible notations for the following statements:

- 7) The line that contains points X and Y: _____
8) The segment that contains points M and Z: _____
9) The distance between points D and F: _____

- 10) Find the distance between -8 and 3 on the number line.

Extra credit: Write the term that means the following:

- 16) to cut something in half: _____
17) the segment, ray, line or plane that cuts a segment in half: _____
18) equal measure: _____
19) a statement that is taken to be true without the need of proving that it is true: _____
20) $AB + BC = AC$: _____