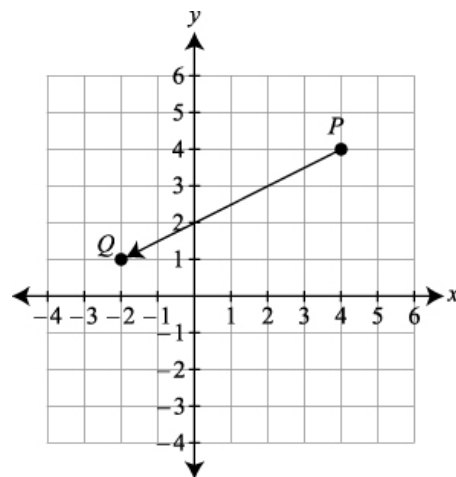


Coordinate Geometry Review (Use Graph Paper For Problems without pics)

Partitioning a Segment

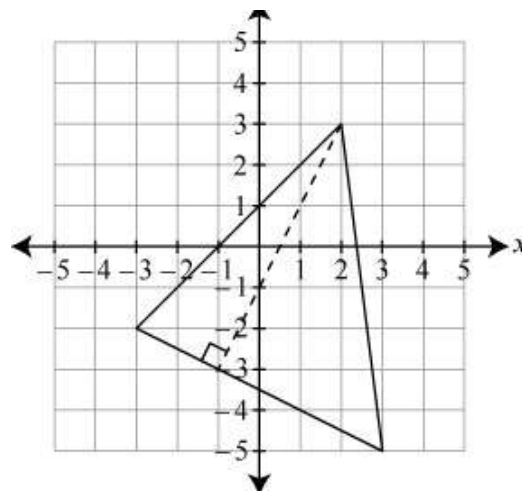
- Directed line segment (vector) \overrightarrow{PQ} is shown here. What are the coordinates of the point $1/3$ of the way from $P(4,4)$ to $Q(-2,1)$?
- Place the point that is $\frac{2}{3}$ of the way from R to S if \overrightarrow{RS} has endpoints $R(-2, -2)$ and $S(4, -1)$.



Coordinates, Distance, and Area

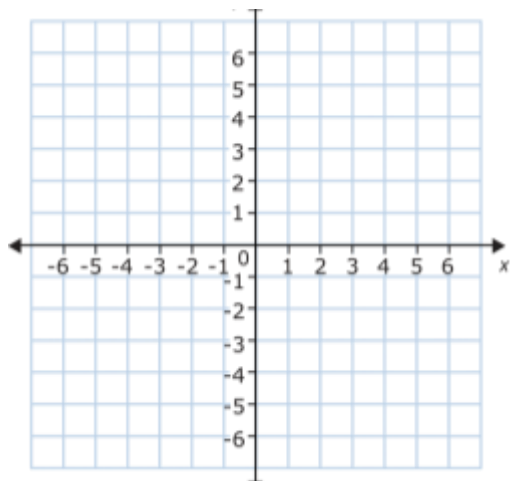
- To the nearest tenth, find the perimeter of a triangle with vertices at $(-3,4)$, $(5,2)$, and $(2,-2)$.

- Find the area of the triangle shown here →

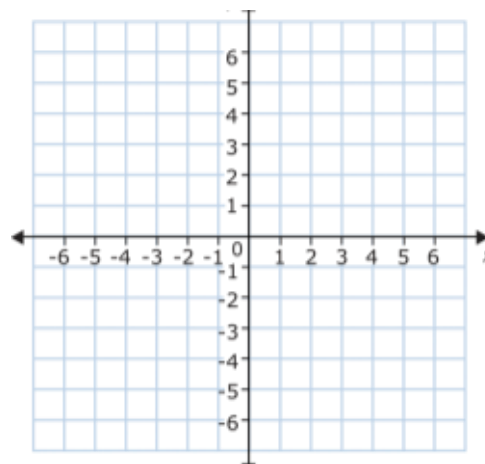


Lines on the Coordinate Plane

- On the grid below, graph the line that is parallel to the line with equation $-\frac{1}{3}x + y = 2$ and that passes through the point $(3,0)$.



- On the grid, graph the line that is the perpendicular bisector of the line segment with endpoints $(-2,4)$ and $(2, -2)$.



- Write the equation of a line perpendicular to $y = \frac{2}{3}x - 4$ that passes through $(-1,4)$.