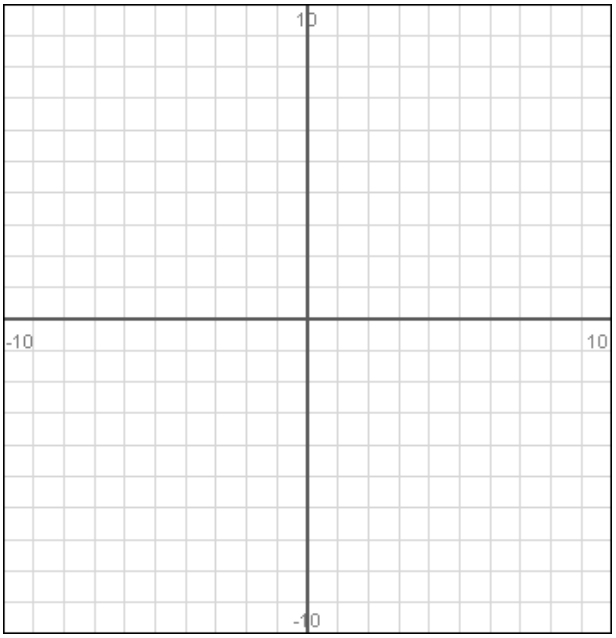
The Coordinate Plane



$A(4,2)$

$B(-6,7)$

$C(-5,-3)$

$D\left(1\frac{1}{2},-3\right)$

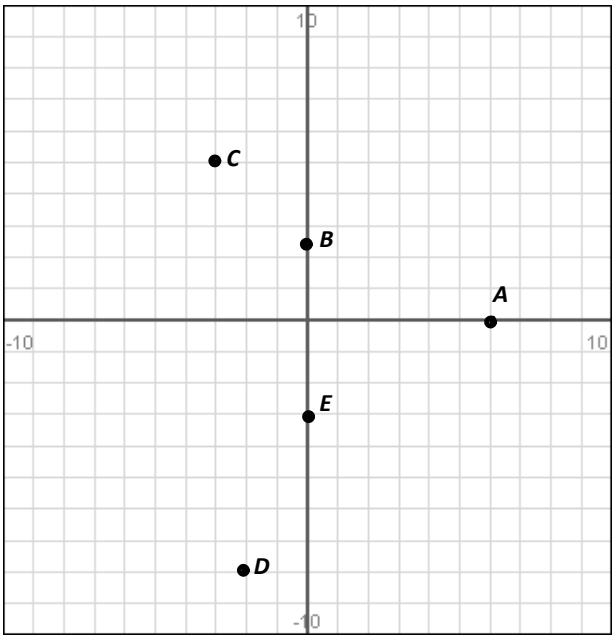
$E(0,6)$

$F(-5,0)$

$G\left(0,-\frac{1}{2}\right)$

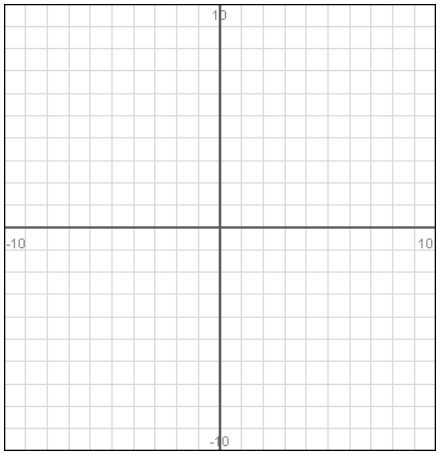
$H(0,0)$

1. Determine the quadrant and coordinates for each of the points.

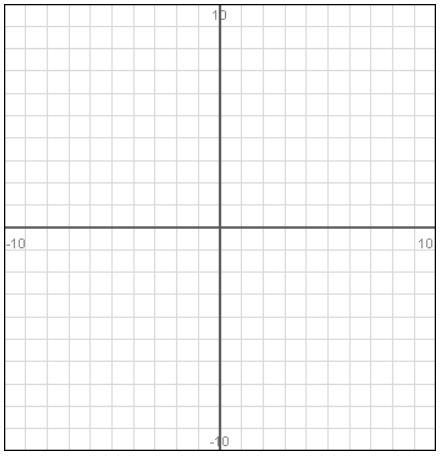


2. Make a table for each equation and find the values for y by substituting $-1,\ -2,\ 0,\ 2$ and 4 in for x.

a) $y = -2x + 4$

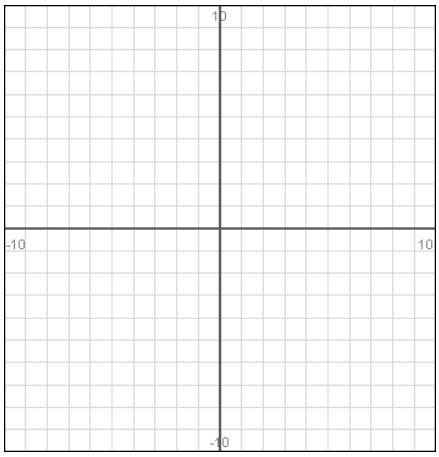


b) $y = -x - 1$



3. Determine if the points lie on a straight line.

a) $(0,3)$, $(2,5)$ and $(4,7)$



b) $(1,5)$, $(2,-4)$ and $(3,1)$