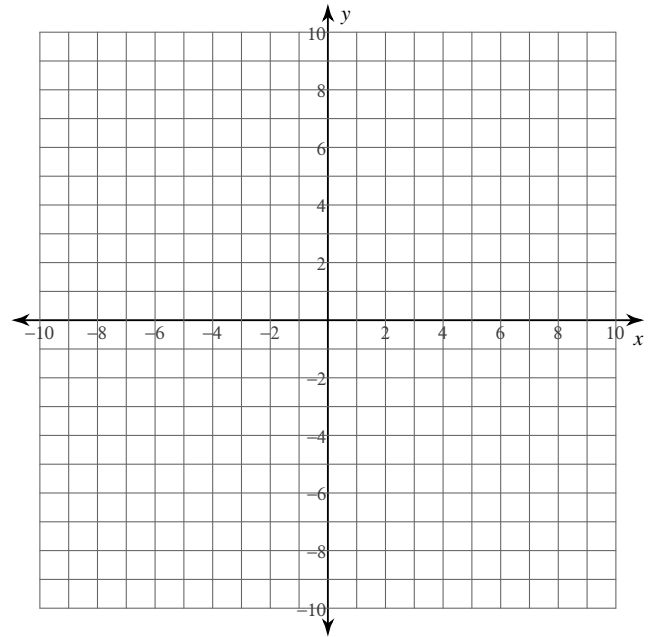
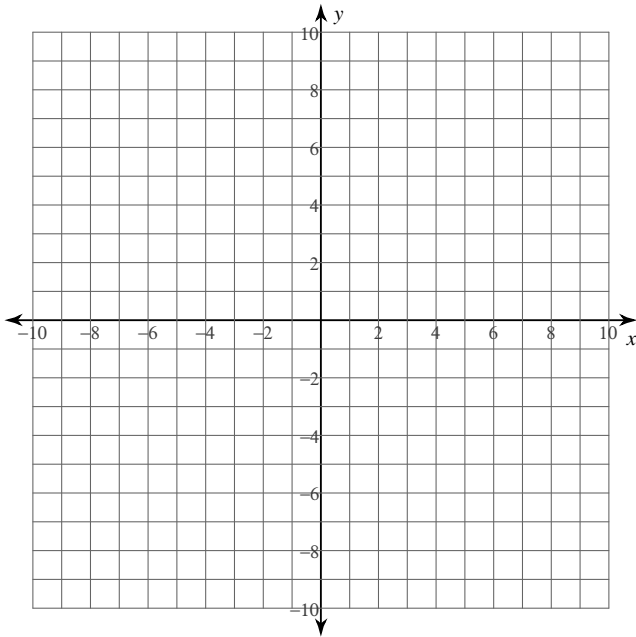


Points in the Coordinate Plane

Plot each point.

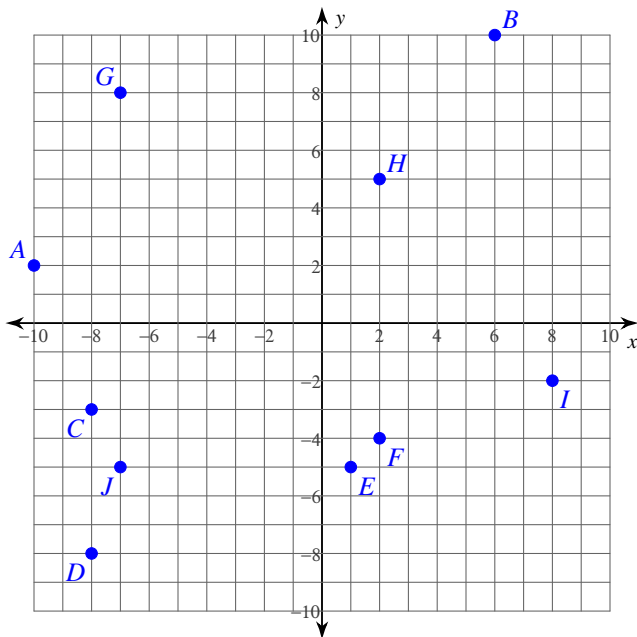
- 1) $J(5, 10)$ $I(1, 9)$ $H(6, -9)$
 $G(-6, 8)$ $F(9, 0)$ $E(-6, 0)$
 $D(-8, -4)$ $C(5, 0)$ $B(-1, -1)$
 $A(-8, -1)$

- 2) $A(7, 10)$ $B(0, 4)$ $C(-1, 10)$
 $D(-6, -6)$ $E(10, 0)$ $F(9, 7)$
 $G(-3, -4)$ $H(-4, -9)$ $I(4, 1)$
 $J(7, -9)$

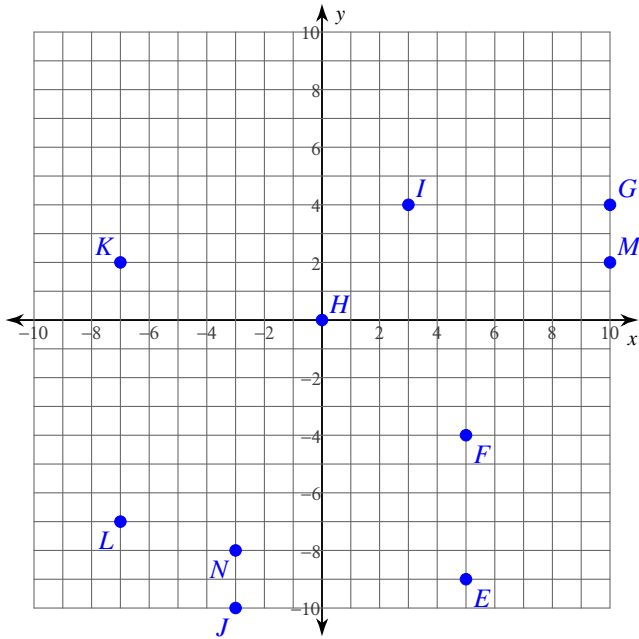


State the coordinates of each point.

3)



4)



State the quadrant or axis that each point lies in.

5) $L(-2, 1)$ $K(-3, -2)$ $J(3, 1)$

6) $T(-3, 5)$ $U(1, 0)$ $V(-5, 5)$

7) $S(5, -7)$ $T(7, 2)$ $U(-5, 4)$

8) $R(7, 0)$ $Q(8, -1)$ $P(3, 0)$

Critical thinking questions:

9) State the coordinates of the endpoints of a line segment that intersects the y -axis.

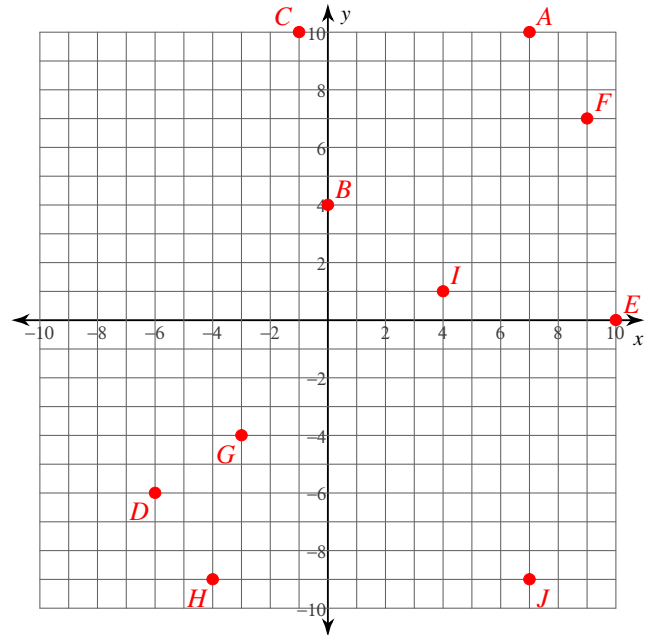
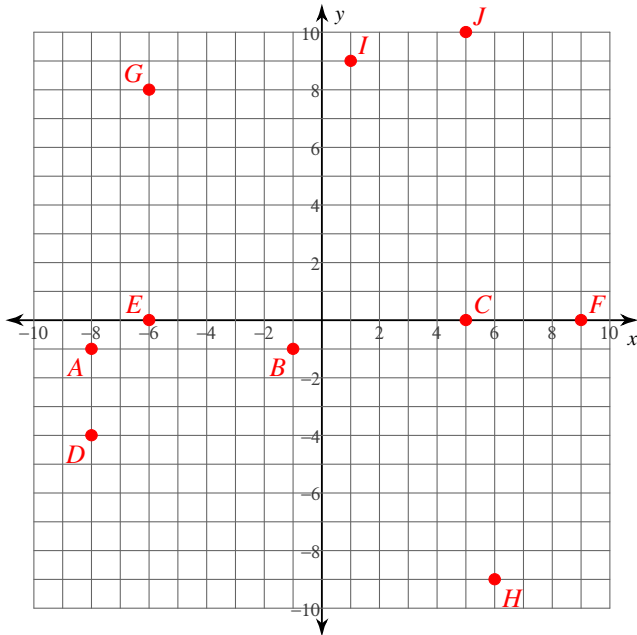
10) State the coordinates of the endpoints of a line segment that is not parallel to either axis, and does not intersect either axis.

Points in the Coordinate Plane

Plot each point.

- 1) $J(5, 10)$ $I(1, 9)$ $H(6, -9)$
 $G(-6, 8)$ $F(9, 0)$ $E(-6, 0)$
 $D(-8, -4)$ $C(5, 0)$ $B(-1, -1)$
 $A(-8, -1)$

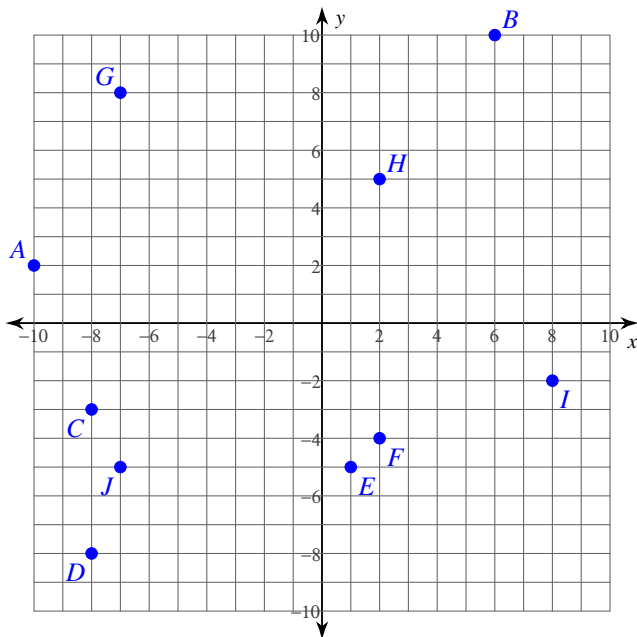
- 2) $A(7, 10)$ $B(0, 4)$ $C(-1, 10)$
 $D(-6, -6)$ $E(10, 0)$ $F(9, 7)$
 $G(-3, -4)$ $H(-4, -9)$ $I(4, 1)$
 $J(7, -9)$



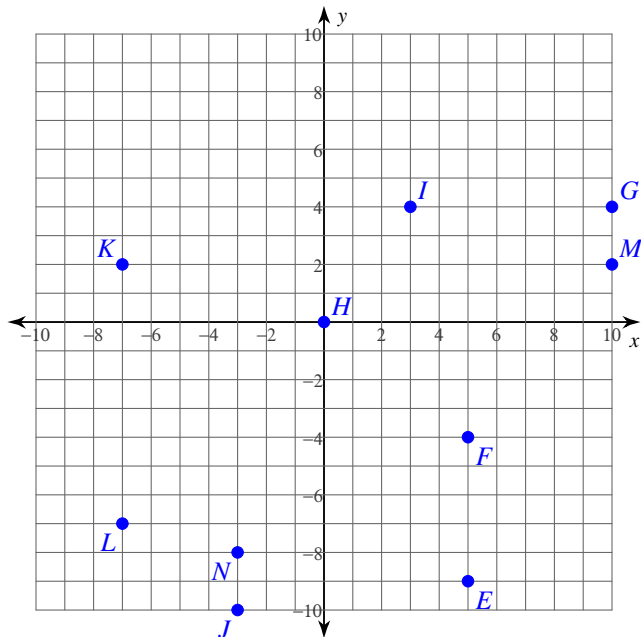
State the coordinates of each point.

3)

- $A(-10, 2)$ $B(6, 10)$ $C(-8, -3)$
 $D(-8, -8)$ $E(1, -5)$ $F(2, -4)$
 $G(-7, 8)$ $H(2, 5)$ $I(8, -2)$
 $J(-7, -5)$



4)



$E(5, -9)$ $F(5, -4)$ $G(10, 4)$
 $H(0, 0)$ $I(3, 4)$ $J(-3, -10)$
 $K(-7, 2)$ $L(-7, -7)$ $M(10, 2)$
 $N(-3, -8)$

State the quadrant or axis that each point lies in.

5) $L(-2, 1)$ $K(-3, -2)$ $J(3, 1)$

L : II K : III J : I

6) $T(-3, 5)$ $U(1, 0)$ $V(-5, 5)$

T : II U : x-axis V : II

7) $S(5, -7)$ $T(7, 2)$ $U(-5, 4)$

S : IV T : I U : II

8) $R(7, 0)$ $Q(8, -1)$ $P(3, 0)$

R : x-axis Q : IV P : x-axis

Critical thinking questions:

9) State the coordinates of the endpoints of a line segment that intersects the y-axis.

Many answers. Ex: $(2, 2)$, $(-2, 2)$

10) State the coordinates of the endpoints of a line segment that is not parallel to either axis, and does not intersect either axis.

Many answers. Ex: $(2, 2)$, $(3, 3)$