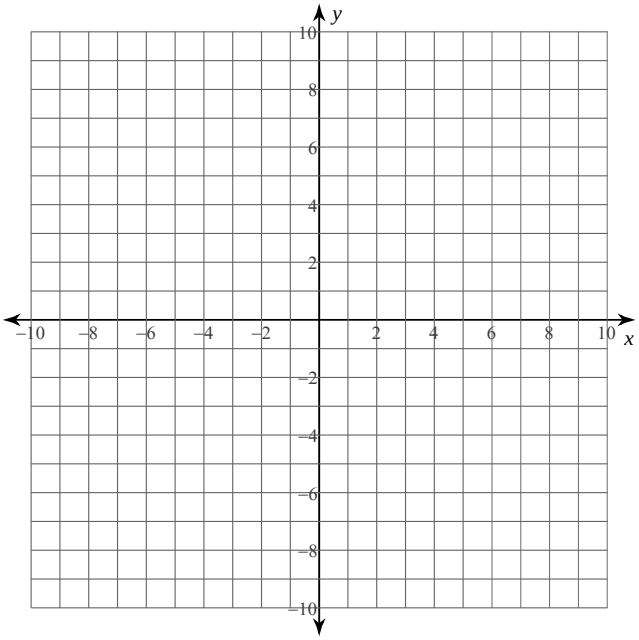
 Name_____

Points in the Coordinate Plane

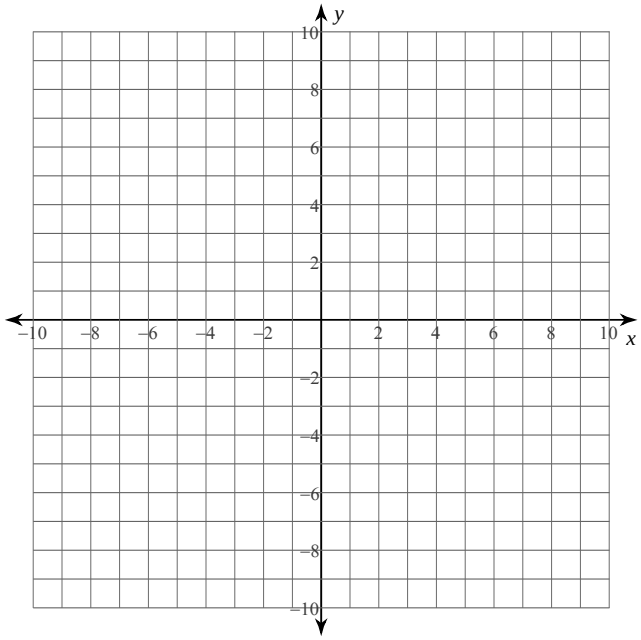
Date_____ Period____

Plot each point.

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

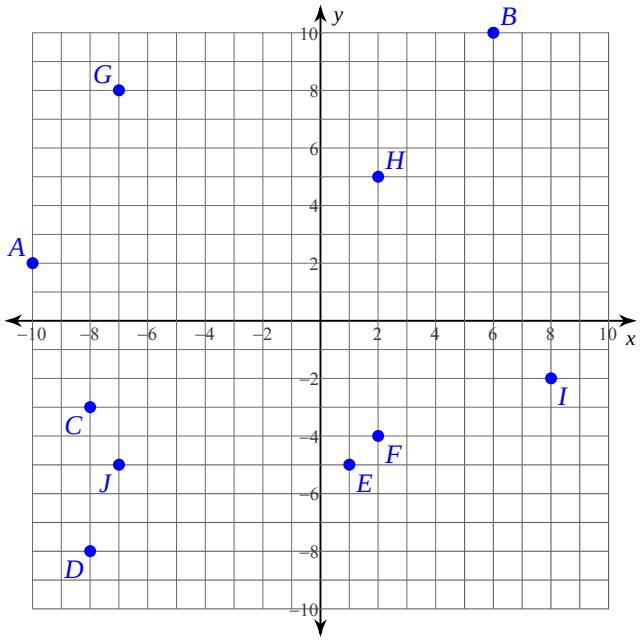


2) $A(7, 10)$ $B(0, 4)$ $C(-1, 10)$
$D(-6, -6)$ $E(10, 0)$ $F(9, 7)$
$G(-3, -4)$ $H(-4, -9)$ $I(4, 1)$
$J(7, -9)$

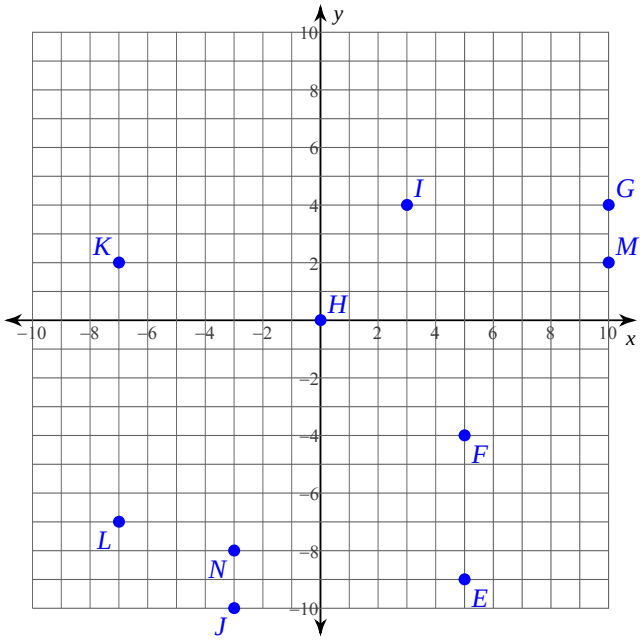


State the coordinates of each point.

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.

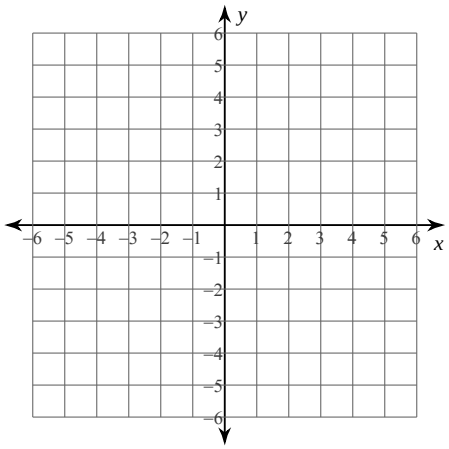
Name_____

Graphing Lines in Standard Form

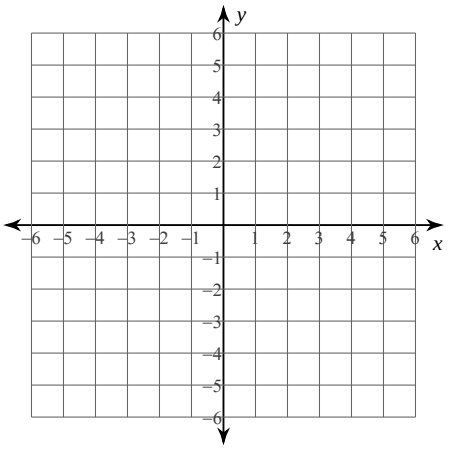
Date_____ Period____

Sketch the graph of each line.

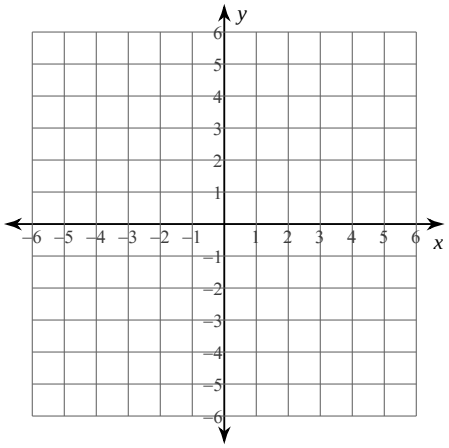
1) $4x + y = 0$



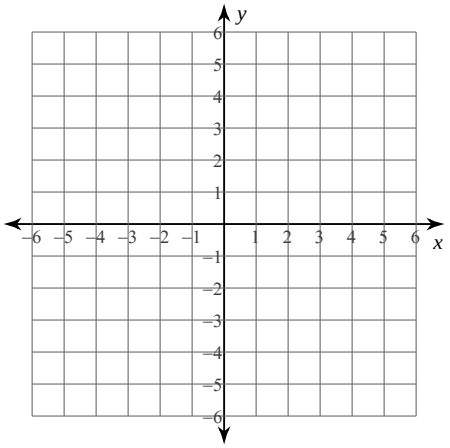
2) $10x - 3y = -15$



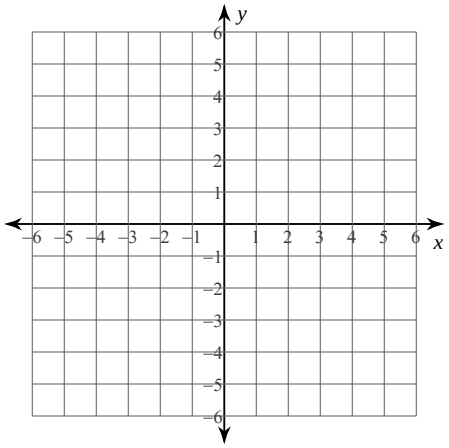
3) $x + y = -3$



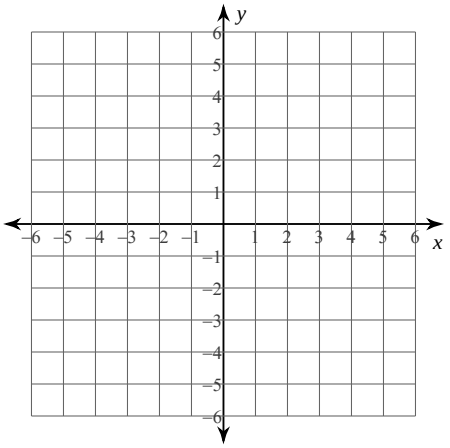
4) $x = 5$



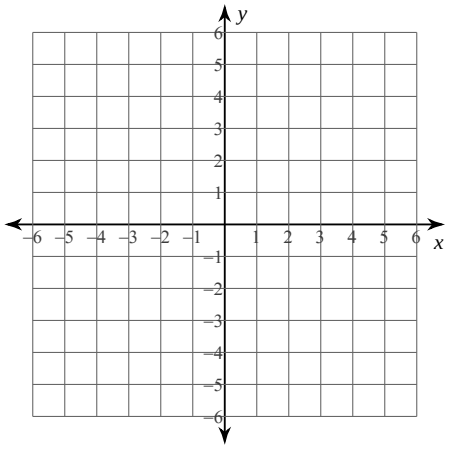
5) $7x + 2y = -10$



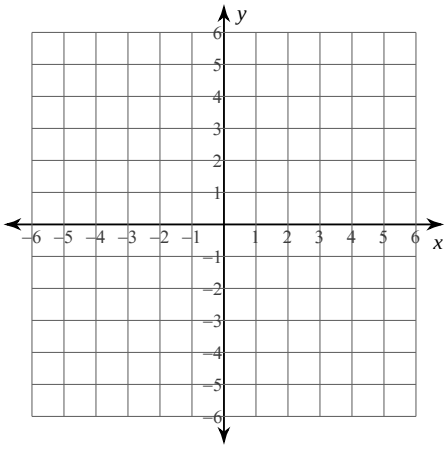
6) $x - 2y = -6$



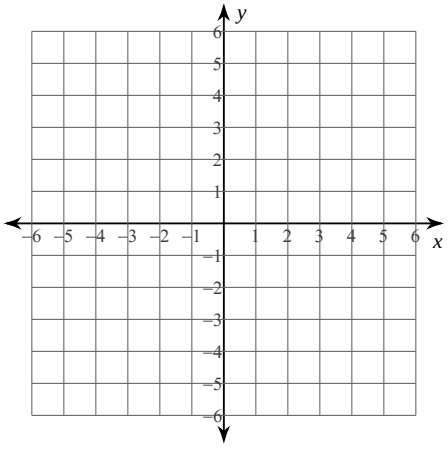
7) $x + y = 0$



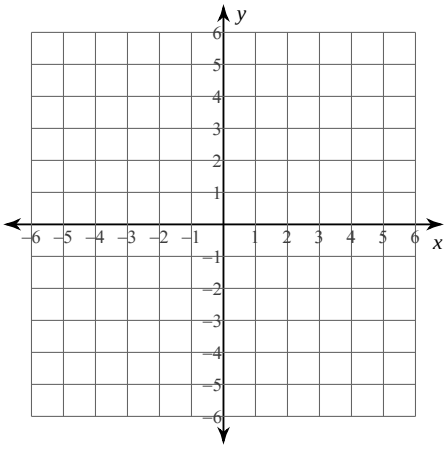
8) $9x + y = 4$



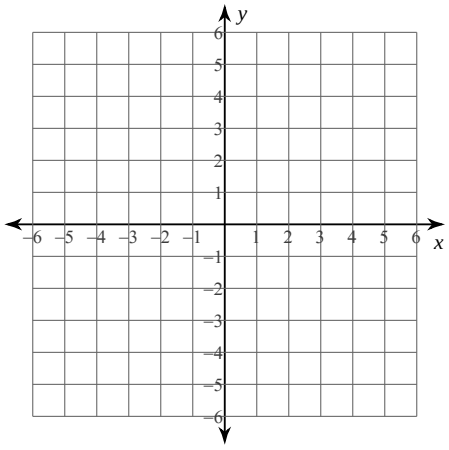
9) $y = 5$



10) $x + 4y = -12$



11) $x - 3y = 3$



12) $x + y = 4$