Name: _____ Period: _____

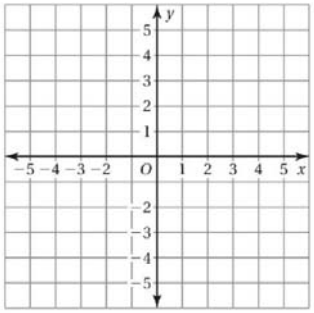
4.1 – Graphing Linear Equations

Graph the equations by using an input/output table with at least 3 ordered pair solutions.

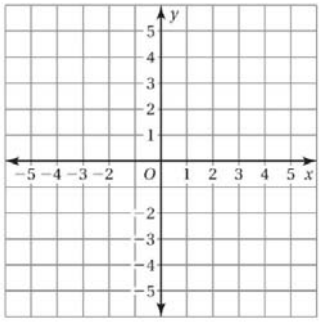
x	y

1) $y = -x + 2$

x			
y			

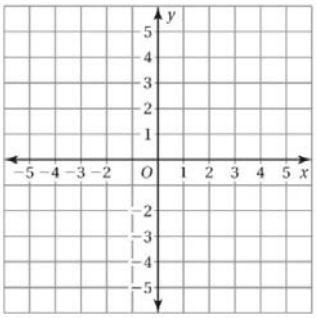


2) $y = \frac{1}{2}x - 1$

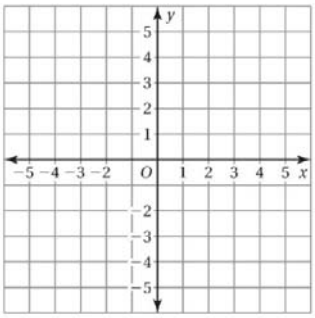


Graph the equations by ***using an input/output table*** with at least 3 ordered pair solutions.

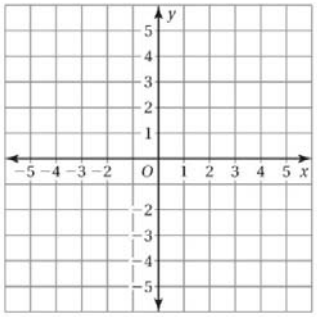
3) $y = -4x$



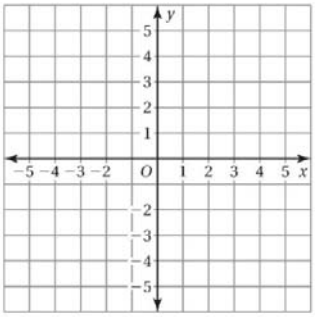
4) $y = 3x - 1$



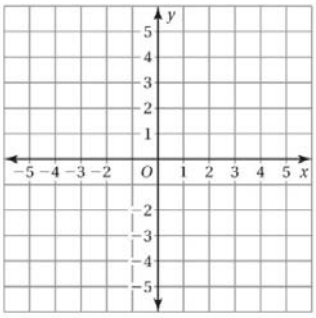
5) $y = -2x - 3$



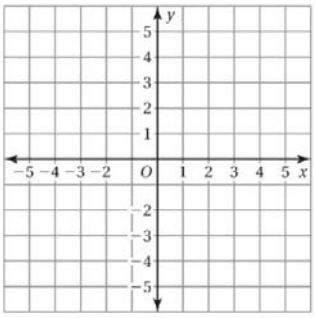
6) $y = \frac{1}{3}x + 4$



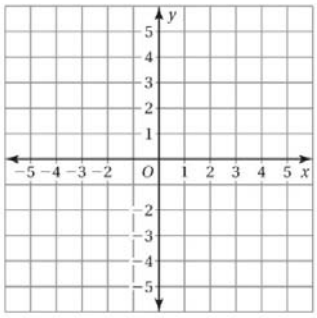
7) $y = -\frac{1}{4}x - 2$



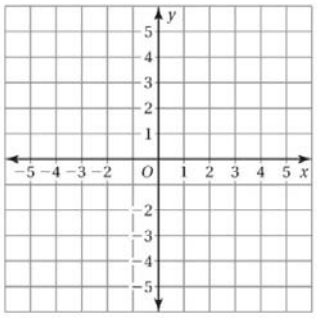
8) $y = \frac{1}{5}x$



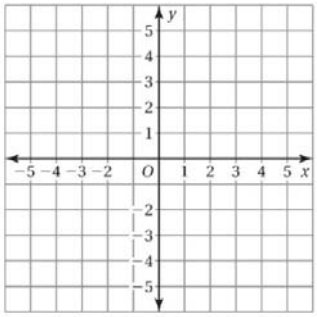
9) $y = \frac{3}{4}x$



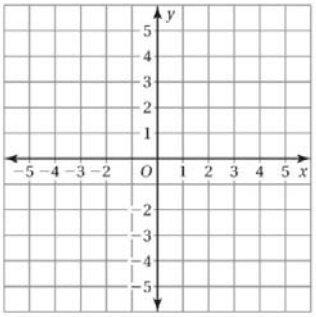
10) $y = \frac{2}{5}x$



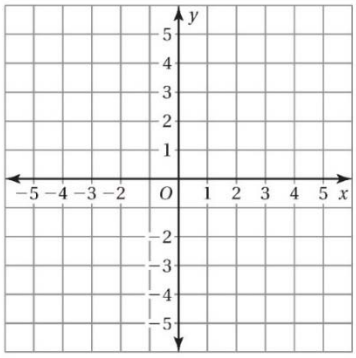
11) $y = \frac{2}{3}x + 1$



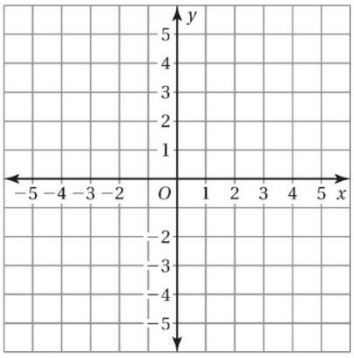
12) $y = -\frac{3}{5}x - 2$



13) $y = -4$



14) $x = 2$



Solve (isolate) for y.

15) $2x + y = 7$

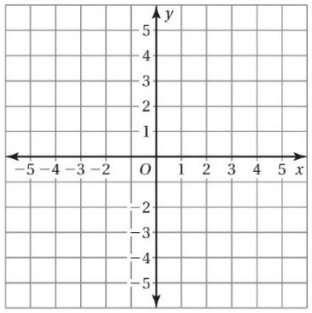
16) $-8x + y = 10$

17) $4x + 2y = 8$

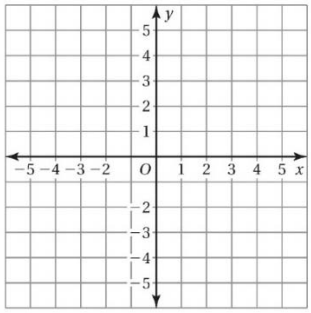
18) $-6x - 2y = 16$

Solve (isolate) for y. Then graph the equation.

19) $y - 2x = 5$

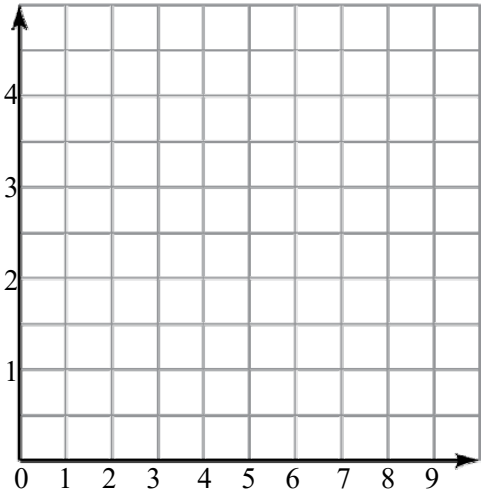


20) $2x + 3y = 6$



9) The equation $y = \frac{1}{2}x$ represents the cost y (in dollars) for x pounds of bananas.

a) Graph the equation.

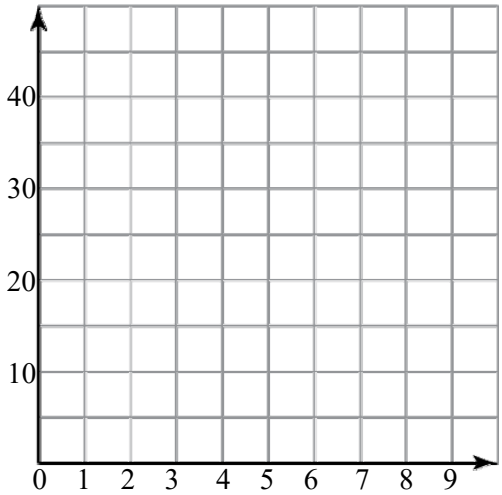


b) Use the graph to estimate the cost of 7 pounds of bananas.

c) Use the equation to find the exact cost of 7 pounds of bananas.

10) The equation $y = 2.5x + 35$ represents the cost y (in dollars) of the family meal when the food costs \$35 and x beverages are purchased.

a) Graph the equation.



b) Use the graph to estimate the cost of the family meal when 5 beverages are purchased.

c) Use the equation to find the exact cost of the family meal when 5 beverages are purchased.