

Graphing Equations

1. Graph each of the following linear equations. Use a straight edge and put arrows on the ends to show that the lines extend in both directions forever.

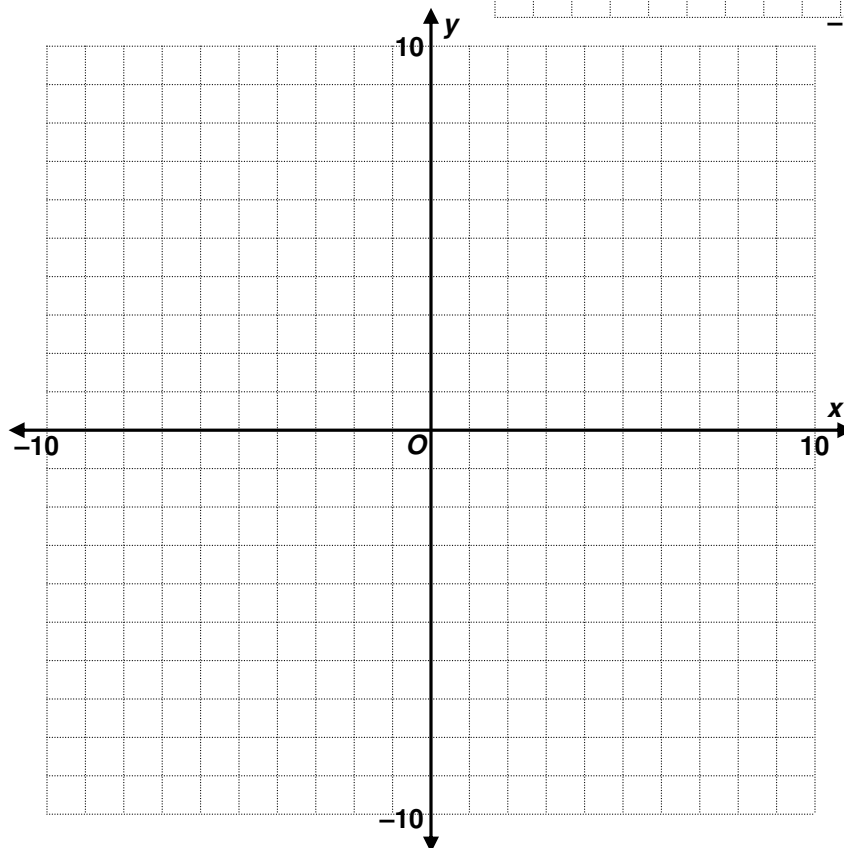
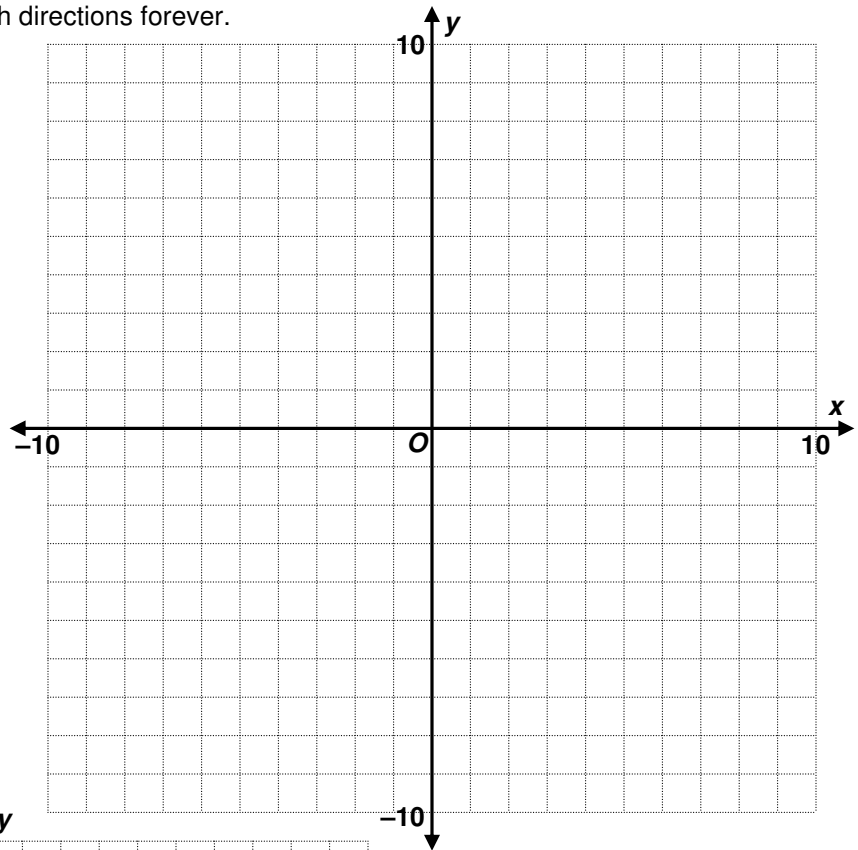
A. $y = \frac{2}{3}x + 4$

B. $y = 4x + 6$

C. $y = \frac{1}{3}x - 6$

D. $y = x - 4$

E. $y = 6 - 2x$



F. $y = -3x + 5$

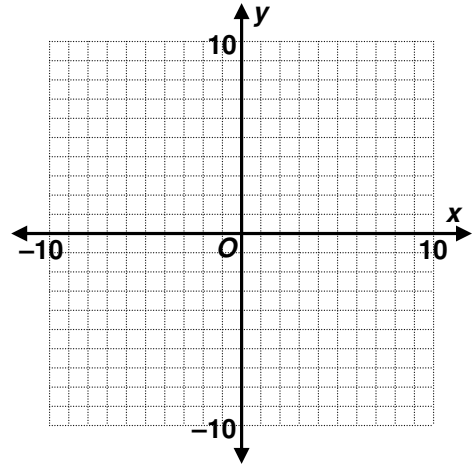
G. $y = -\frac{2}{5}x + 7$

H. $y = -x - 2$

I. $y = 2x - 9$

J. $y = -4 - \frac{3}{2}x$

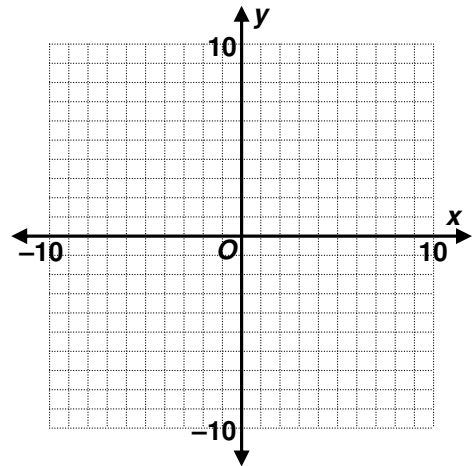
2. Use the equation to answer the following: $y = \frac{1}{5}x - 4$
- Complete the graph that matches the equation.
 - Write a story problem to match the equation.



- c. Now use the equation to complete this table:
Show your work in the margin.

x	y
50	
30	
-15	
-25	

3. Use the equation to answer the following: $y = -\frac{2}{3}x + 7$
- Complete the graph that matches the equation.
 - Write a story problem to match the equation.



- c. Now use the equation to complete this table:
Show your work in the margin.

x	y
60	
12	
-27	
-150	