Name: _____   Class: _____   Date: _____
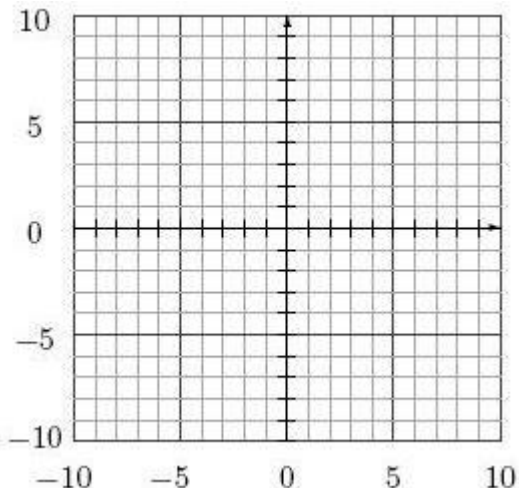
Find the slope and y-intercept of the line represented by each of the following equations. Then graph each line, using the slope and y-intercept. Show work to receive full credit.
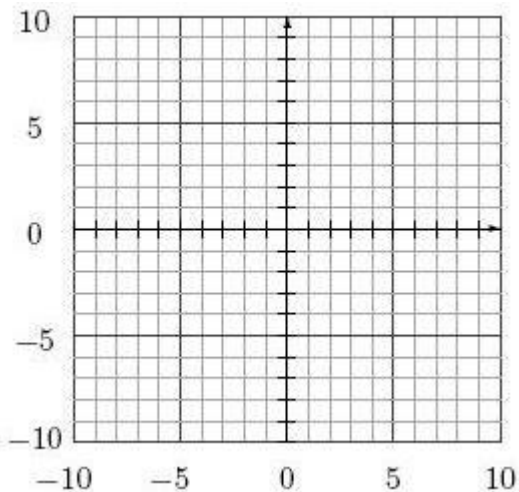
1. $y = -7x + 3$

1.   m = _____   b = _____
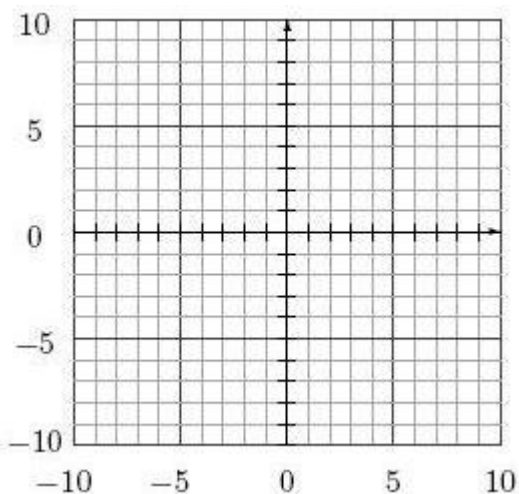
2. $y = -5x - 2$

2.   m = _____   b = _____

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

3.   m = _____   b = _____
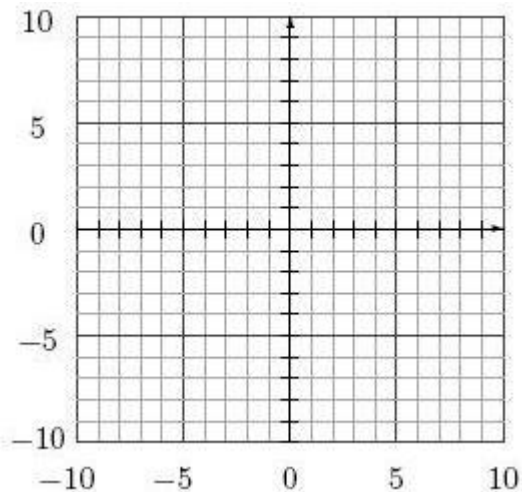
Find the slope and y-intercept of the line represented by each of the following equations. Then graph each line, using the slope and y-intercept. Show work to receive full credit.
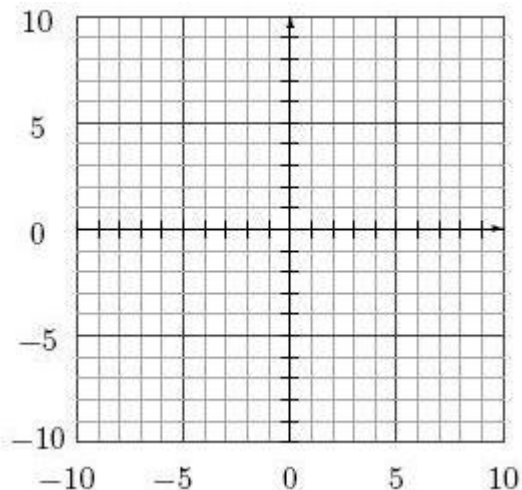
4. $y = \frac{2}{5}x - 4$

4.   m = _____   b = _____

5. $y + 2x = 0$

5.   m = _____   b = _____

6. $3x - 4y = 0$

6.   m = _____   b = _____

7. $5x + 2y = 10$

7. m = _____   b = _____

8. $x = -3$

8. m = _____   b = _____

9. $y = 5$

9. m = _____   b = _____
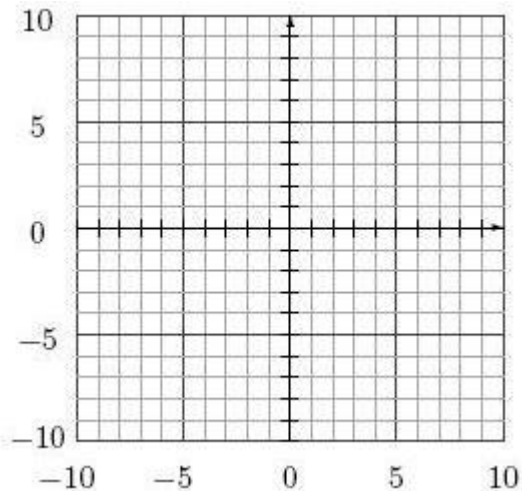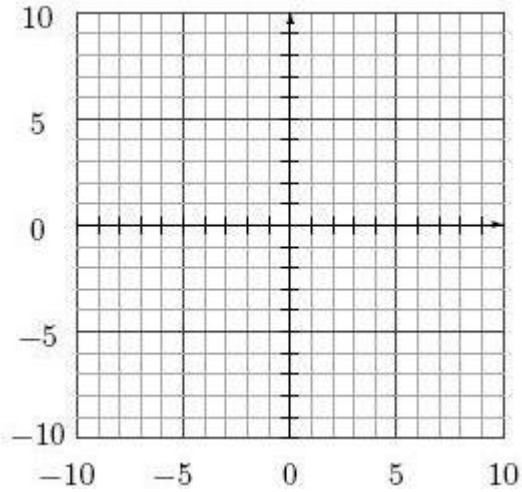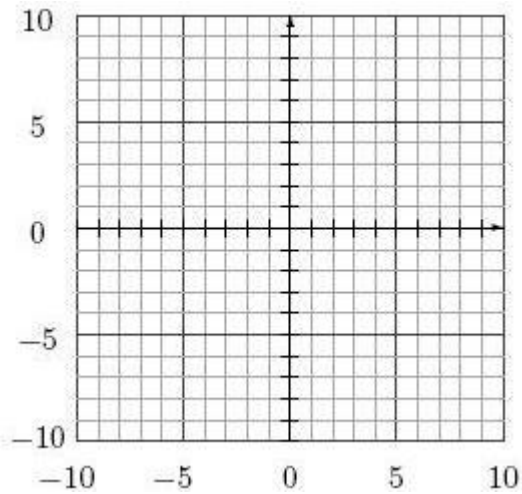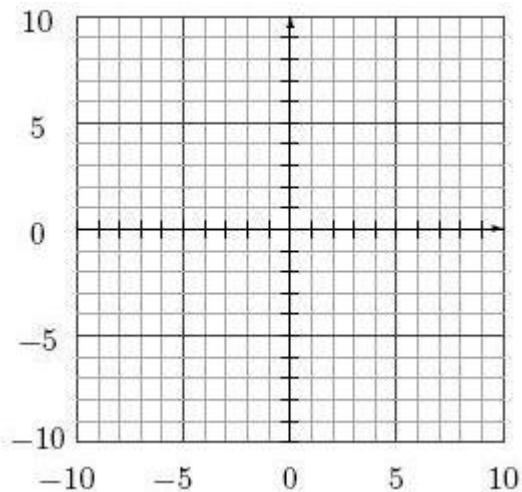
10. Graph the line that passes through the point (-1,3) and has slope $\dfrac{4}{3}$
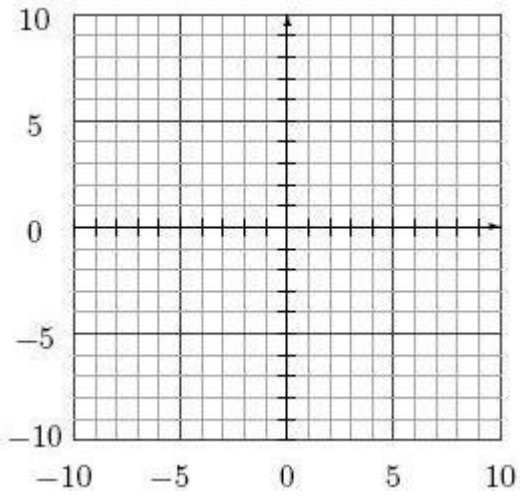
11. Graph the line that passes through the point (-2,-3) and has slope $-\dfrac{5}{4}$
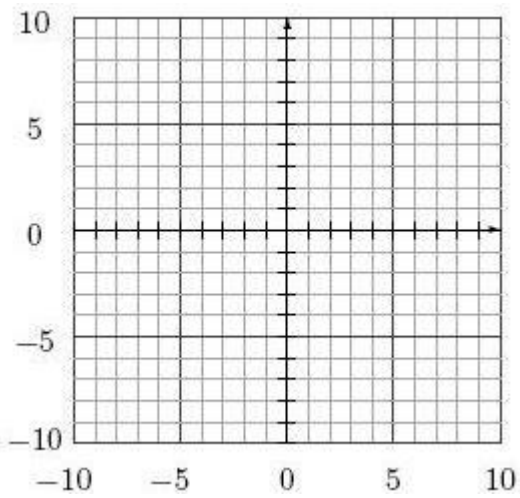
12. Graph the line that passes through the point (2,-4) and has slope $-\dfrac{1}{2}$