

Name: _____ Date: _____

Writing Linear Equations

Identify the slope and the y intercept in the following equations.

1. $y = 2x - 7$ $m =$ _____ $b =$ _____

2. $y = -3x + 4$ $m =$ _____ $b =$ _____

3. $y = x - 5$ $m =$ _____ $b =$ _____

4. $y = \frac{3}{4}x + \frac{1}{2}$ $m =$ _____ $b =$ _____

5. $x = -8$ $m =$ _____ $b =$ _____

Write an equation for the line given the slope and the y intercept of the line.

6. $m = 5, b = -8$ equation: _____

7. $m = 1, b = 2$ equation: _____

8. $m = 0, b = -8$ equation: _____

9. $m = -\frac{1}{7}, b = 0$ equation: _____

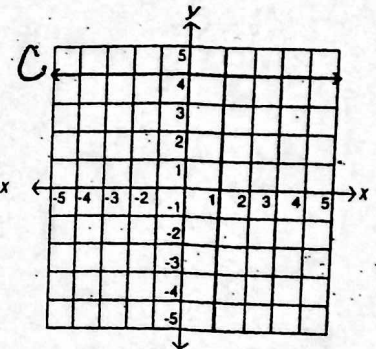
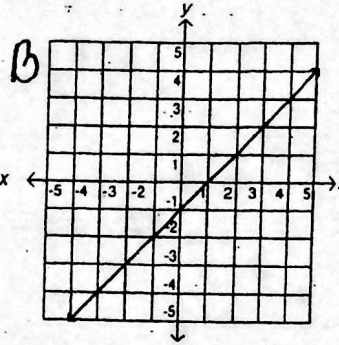
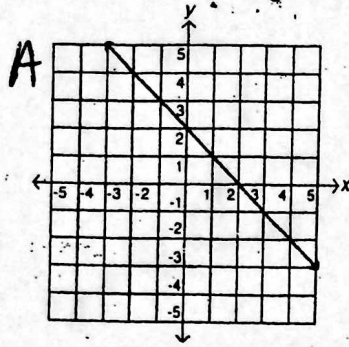
10. $m = -4, b = 10$ equation: _____

Choose the correct graph for the given equation. Put the LETTER to the LEFT of the question number.

_____ 1 $y = -x + 2$

_____ 2 $y = 4$

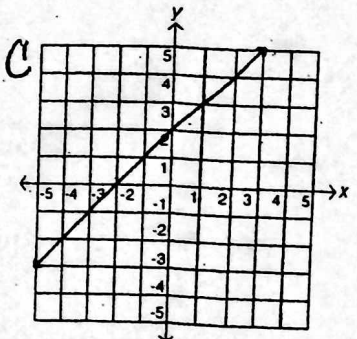
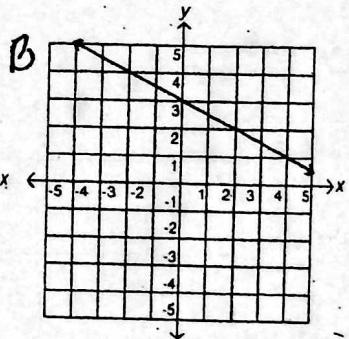
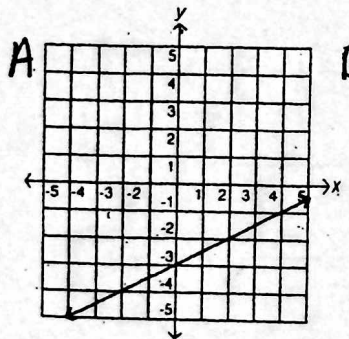
_____ 3 $y = x - 1$



_____ 4 $y = \frac{1}{2}x - 3$

_____ 5 $y = x + 2$

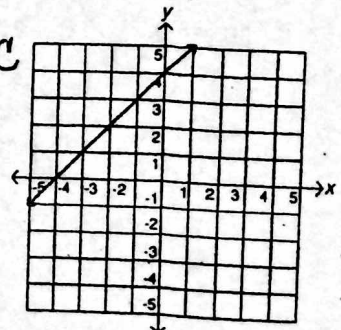
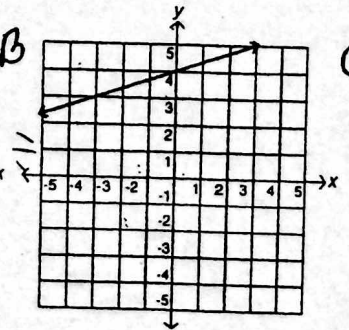
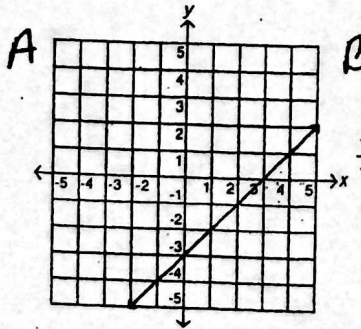
_____ 6 $y = -\frac{1}{2}x + 3$



_____ 7 $y = x + 4$

_____ 8 $y = \frac{1}{3}x + 4$

_____ 9 $y = x - 3$



_____ 10 $y = -2x - 3$

_____ 11 $y = 2x + 3$

_____ 12 $y = 2x - 3$

