

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

2) $y = -3x - 2$

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

4) $y = 4$

5) $y = -\frac{4}{3}x + \frac{4}{3}$

6) $y = \frac{2}{5}x + 1$

7) $x = -2$

8) $y = -\frac{3}{2}x - \frac{1}{2}$

9) $y = -\frac{7}{5}x - \frac{1}{5}$

10) $y = x$

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

12) $y = \frac{1}{4}x - \frac{11}{4}$

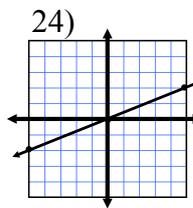
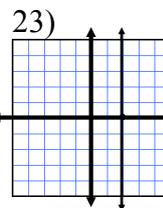
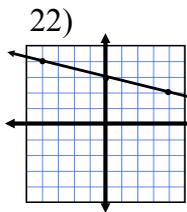
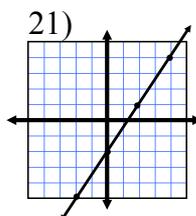
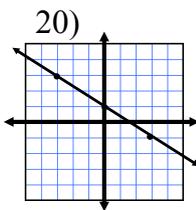
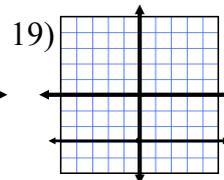
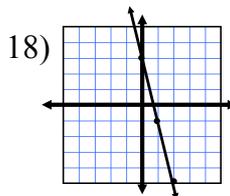
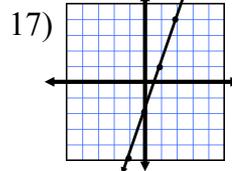
13) $y = -6x + 15$

14) $y = -x - 2$

15) $x = 1$

16) $y = \frac{3}{11}x - \frac{5}{11}$

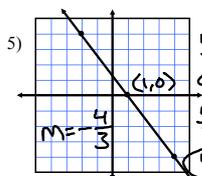
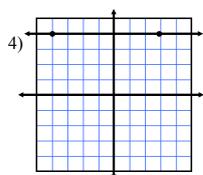
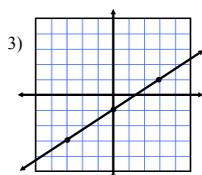
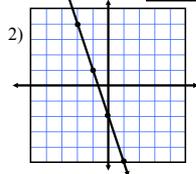
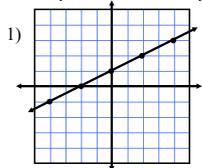
Algebra I
8-5
Supplement



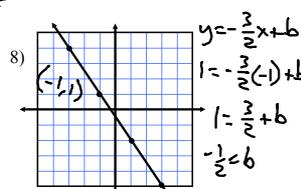
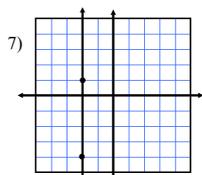
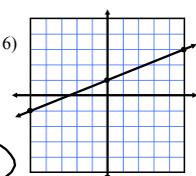
Algebra I
Writing Equations from Graphs

Write the equation of each line in slope/intercept form.

Name: _____



$y = -\frac{4}{3}x + b$
 $0 = -\frac{4}{3}(1) + b$
 $\frac{4}{3} = b$
 $y = -\frac{4}{3}x + \frac{4}{3}$



9) $y = -\frac{2}{5}x + b$
 $-3 = -\frac{2}{5}(2) + b$
 $(-3 = -\frac{14}{5} + b) \times 5$
 $-15 = -14 + 5b$
 $-1 = 5b$
 $-\frac{1}{5} = b$
 $y = -\frac{2}{5}x - \frac{1}{5}$

10) $y = \frac{1}{4}x + b$

11) $y = -\frac{1}{3}x + 0$

12) $y = \frac{1}{4}x + b$

13)

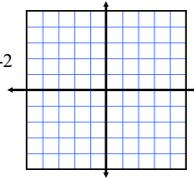
14)

15) $m = \frac{2 - (-1)}{9 - (-2)} = \frac{3}{11}$
 $y = \frac{3}{11}x + b$
 $2 = \frac{3}{11}(9) + b$
 $\frac{22}{11} = \frac{27}{11} + b$
 $-\frac{5}{11} = b$

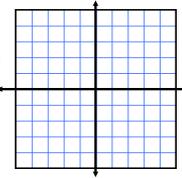
16) $(9, 2)$
 point off graph

Graph each equation.

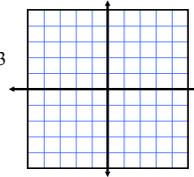
17) $y = 3x - 2$



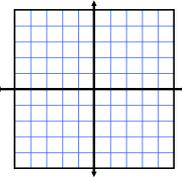
18) $y = -4x + 3$



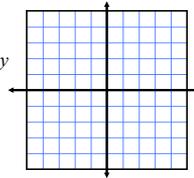
19) $y = -3$



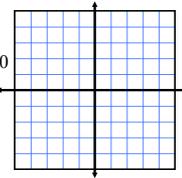
20) $y = -\frac{2}{3}x + 1$



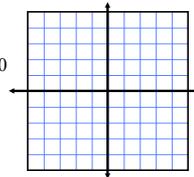
21) $4 = 3x - 2y$



22) $x + 4y - 12 = 0$



23) $x - 2 = 0$



24) $2x - 5y = 0$

