Algebra 1   Collab Day   Warm Up   Mon Wk 12
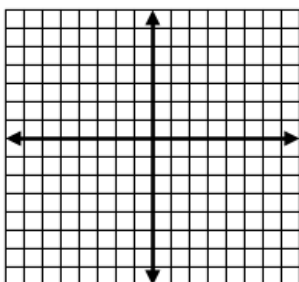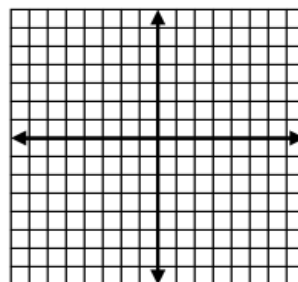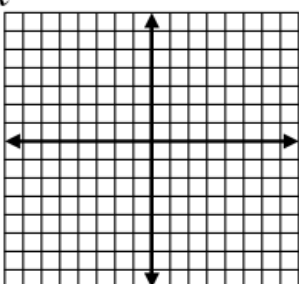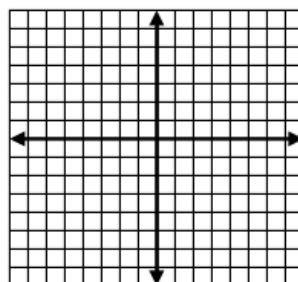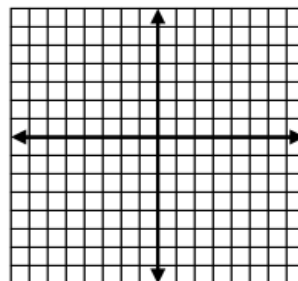
Graph:

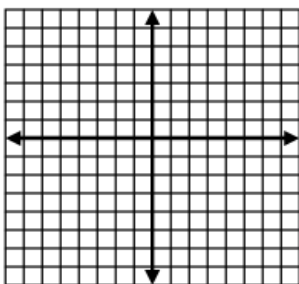1. $y = \dfrac{1}{3}x - 2$
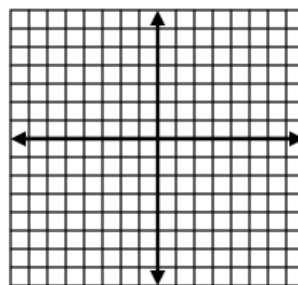
2. $y = -3x + 1$

3. $y = \dfrac{1}{2}x$

4. $y = 6$

5. a line with slope $-\dfrac{5}{6}$ that goes through the point (-1, 3)

6. $3x + y = 6$

7. $2x - 6y = 12$

Name _____ Class _____ Date _____

CW/HW

5-3 | Practice   G

Slope-Intercept Form Wk 11 Monday

Find the slope and *y*-intercept of the graph of each equation.

1. $y = 3x - 5$

2. $y = -5x + 13$

3. $y = -x - 1$

4. $y = -11x + 6$

5. $y = -5$

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

7. $y = -6.75x + 8.54$

8. $y = -\frac{2}{3}x - \frac{1}{9}$

9. $y = 2.25$

Write an equation of a line with the given slope *m* and *y*-intercept *b*.

10. $m = -1, b = 3$
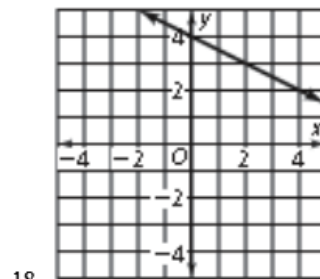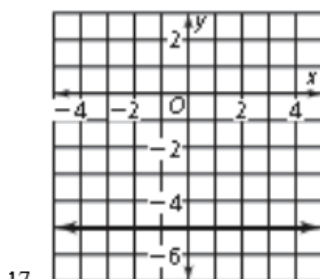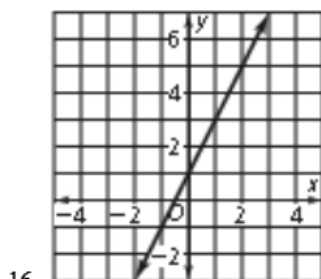
11. $m = 4, b = -2$

12. $m = -5, b = -8$

13. $m = 0.25, b = 6$

14. $m = 0, b = -11$

15. $m = 1, b = \frac{3}{8}$

Write an equation in slope-intercept form of each line.

16.

17.

18.

Write an equation in slope-intercept form of the line that passes through the given points.

19. $(3, 5)$ and $(0, 4)$

20. $(2, 6)$ and $(-4, -2)$

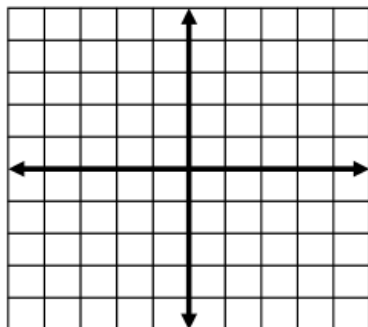**21.** $(-1, 3)$ and $(-3, 1)$

22. $(-7, 5)$ and $(3, 0)$

23. $(10, 2)$ and $(-2, -2)$
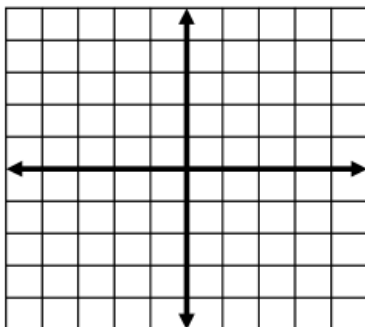
24. $(0, -1)$ and $(5, 6)$

Graph each equation.
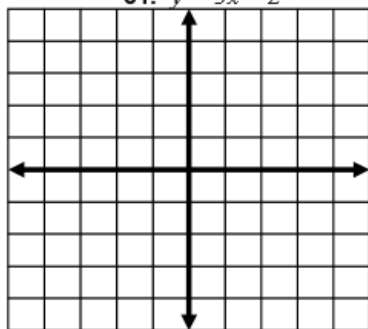
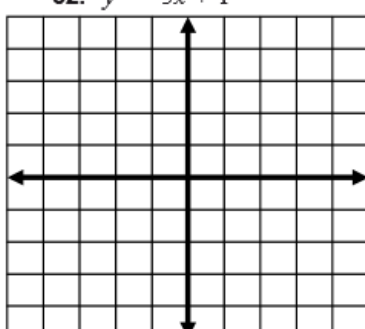**28.** $y = x + 3$

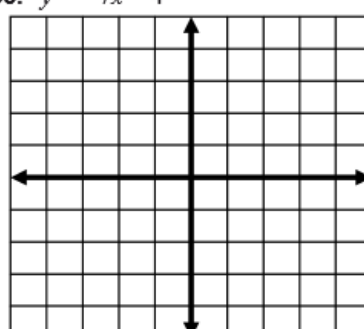**29.** $y = 4x - 1$

30. $y = -x + 6$
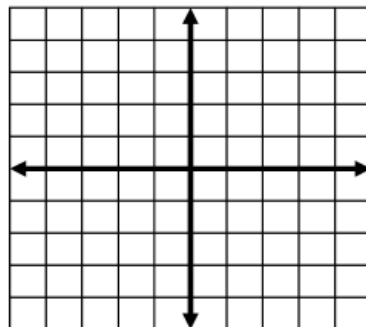
31. $y - 3x - 2$

32. $y = -5x + 1$

33. $y = -7x - 4$

34. Hudson is already 40 miles away from home on his drive back to college. He is driving 65 mi/h. Write an equation that models the total distance d travelled after h hours. What is the graph of the equation?

35. When Phil started his new job, he owed the company $65 for his uniforms. He is earning $13 per hour. The cost of his uniforms is withheld from his earnings. Write an equation that models the total money he has m after h hours of work. What is the graph of the equation?

Find the slope and the y-intercept of the graph of each equation.

38. $3y - 12x + 6 = 0$

39. $y - 5 = \frac{1}{3}(x - 9)$

40. $y - \frac{2}{5}x = 0$