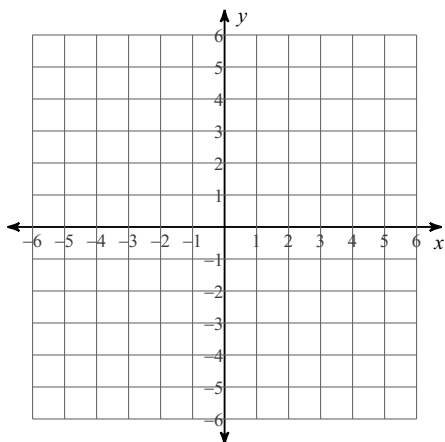


SM3-A HW 13-5 (More Lines)

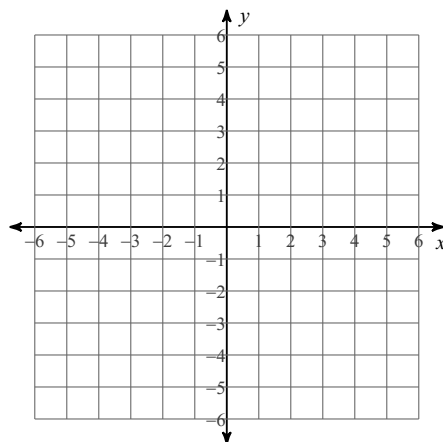
Date _____ Period _____

Sketch the graph of each line.

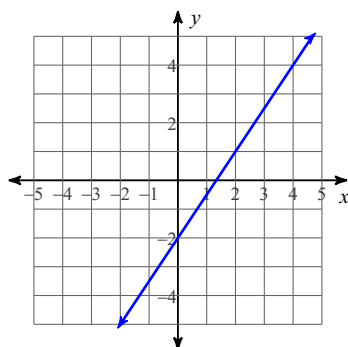
1) $y = 4$



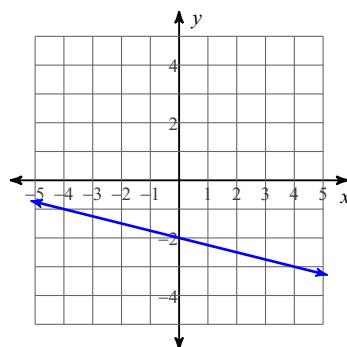
2) $2x - 3y = 12$

**Write the slope-intercept form of the equation of each line.**

3)



4)



5) $3x - 7y = 35$

6) $9x + 7y = 28$

Write the slope-intercept form of the equation of the line through the given points.

7) through: $(-1, -1)$ and $(-5, -3)$

8) through: $(0, 0)$ and $(1, 1)$

9) through: $(4, 2)$, parallel to $y = \frac{1}{4}x - 1$

10) through: $(2, 0)$, parallel to $y = -\frac{4}{3}x + 4$

11) through: $(4, -4)$, perp. to $y = \frac{1}{2}x - 1$

12) through: $(-2, -1)$, perp. to $y = \frac{3}{2}x - 2$

Simplify. Your answer should contain only positive exponents.

13) $y^0 \cdot 2x^{-4}y^2$

14) $(z^3)^{-4}$

15) $\frac{(2m^0n^3)^4}{n}$

16) $\frac{x^4y^{-2}}{(xy^3)^3}$

- 17) 4. A person buys 3 hamburgers and 5 drinks and pays \$30.
- a) Write an equation that models the situation. You will only receive credit if you write your equation using variables that represent the quantities in the problem.
 - b) Graph the equation that you have written.
 - c) Label the axes of the graph with the correct quantities and units of measure.

