

SM2-A HW #4-7 (Parallel Lines)

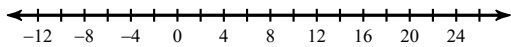
Date _____ Period _____

Solve each equation.

1) $|v + 7| = 1$

Solve each inequality and graph its solution.

2) $|p - 7| < 17$

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

3) $7x - 4y = -16$

Simplify.

4) $3\sqrt{27} + 3\sqrt{6} - \sqrt{24}$

5) $\frac{\sqrt{4}}{\sqrt{3}}$

6) $\sqrt{15}(2 + 4\sqrt{10})$

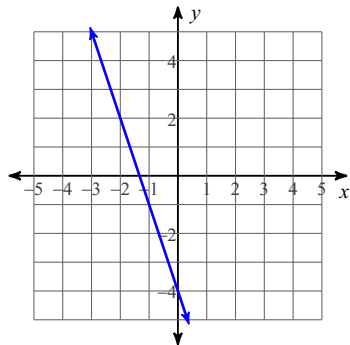
Simplify. Your answer should contain only positive exponents.

7) $3x^{-1} \cdot 2x^3y^3$

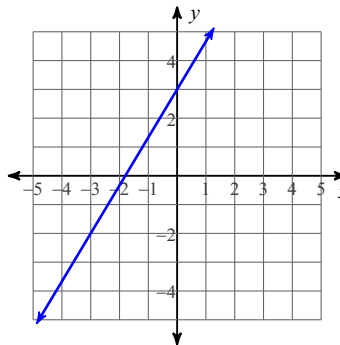
8) $(4yx^4)^{-3}$

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

9)



10)



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

11) through: $(1, -2)$ and $(-2, 0)$

12) through: $(-2, 1)$ and $(0, 2)$

Write the slope-intercept form of the equation of the line described.

13) through: $(2, -3)$, parallel to $y = -\frac{5}{7}x + 3$

14) through: $(-1, 1)$, parallel to $y = x - 4$

15) through: $(3, 1)$, parallel to $y = \frac{4}{3}x - 5$

16) through: $(-2, -5)$, parallel to $y = 5x + 1$