

Order of Operations & Equations Review

Evaluate each expression.

1) $(3 + 3) \times 3^2$

2) $3 - (10 \div 5 - 1)$

3) $5 \times (1 + 14) \div 5$

4) $(8 \times 2 - 4) \div 3$

5) $(5 - 4 - (-8 + 6)) \div -1$

6) $16 \div (3 - (5 - -5) - -3)$

7) $-4 \times -1 + (-5 - 5) \times 6$

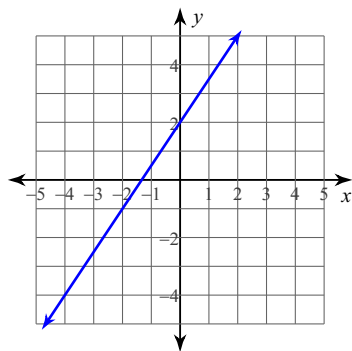
8) $18 \div -6 + (-3 - 5) \div 4$

9) $(12 - 6) \div -3 \times |2|$

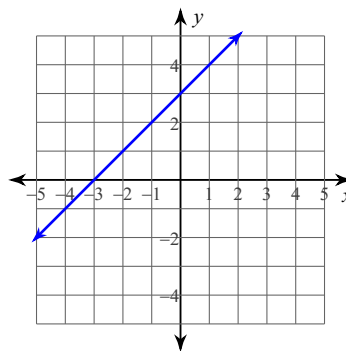
10) $-8 \div -2(-1 - |-2|)$

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

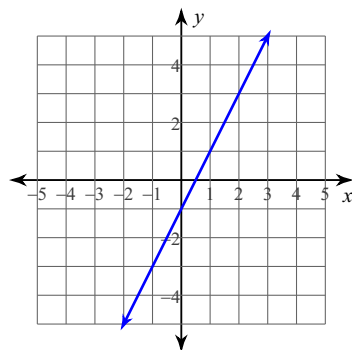
11)



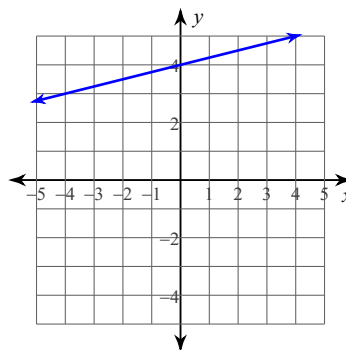
12)



13)



14)



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

15) through: $(3, -2)$ and $(0, 2)$

16) through: $(-1, 1)$ and $(0, 3)$

17) through: $(-4, 5)$ and $(0, 3)$

18) through: $(5, -1)$ and $(4, -3)$

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

19) through: $(2, -5)$, parallel to $y = -3x - 2$

20) through: $(3, 4)$, parallel to $y = 3x - 4$

21) through: $(1, 5)$, parallel to $y = 7x + 4$

22) through: $(1, 0)$, parallel to $y = -3x + 5$

23) through: $(-3, -4)$, perp. to $y = -\frac{1}{2}x + 4$

24) through: $(1, -3)$, perp. to $y = \frac{1}{4}x + 2$

25) through: $(-4, -4)$, perp. to $y = -\frac{1}{2}x - 5$

26) through: $(-2, -4)$, perp. to $y = -\frac{1}{4}x + 5$

Order of Operations & Equations Review

Evaluate each expression.

1) $(3 + 3) \times 3^2$

54

2) $3 - (10 \div 5 - 1)$

2

3) $5 \times (1 + 14) \div 5$

15

4) $(8 \times 2 - 4) \div 3$

4

5) $(5 - 4 - (-8 + 6)) \div -1$

-3

6) $16 \div (3 - (5 - -5) - -3)$

-4

7) $-4 \times -1 + (-5 - 5) \times 6$

-56

8) $18 \div -6 + (-3 - 5) \div 4$

-5

9) $(12 - 6) \div -3 \times |2|$

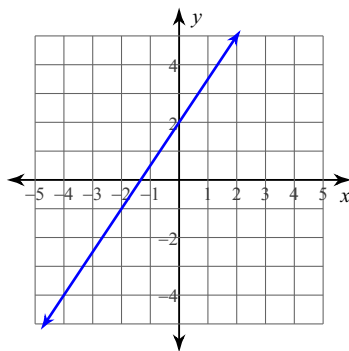
-4

10) $-8 \div -2(-1 - |-2|)$

-12

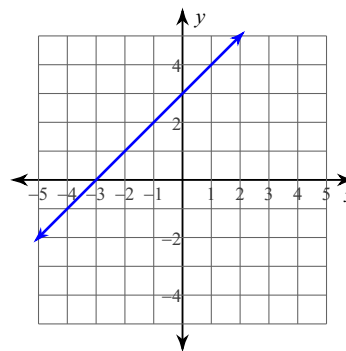
Write the slope-intercept form of the equation of each line.

11)



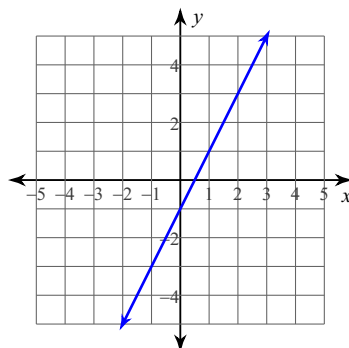
$$y = \frac{3}{2}x + 2$$

12)



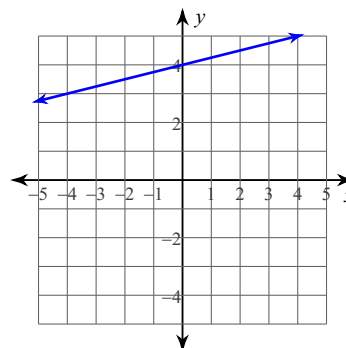
$$y = x + 3$$

13)



$$y = 2x - 1$$

14)



$$y = \frac{1}{4}x + 4$$

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

15) through: $(3, -2)$ and $(0, 2)$

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

16) through: $(-1, 1)$ and $(0, 3)$

$$y = 2x + 3$$

17) through: $(-4, 5)$ and $(0, 3)$

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

18) through: $(5, -1)$ and $(4, -3)$

$$y = 2x - 11$$

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

19) through: $(2, -5)$, parallel to $y = -3x - 2$

$$y = -3x + 1$$

20) through: $(3, 4)$, parallel to $y = 3x - 4$

$$y = 3x - 5$$

21) through: $(1, 5)$, parallel to $y = 7x + 4$

$$y = 7x - 2$$

22) through: $(1, 0)$, parallel to $y = -3x + 5$

$$y = -3x + 3$$

23) through: $(-3, -4)$, perp. to $y = -\frac{1}{2}x + 4$

$$y = 2x + 2$$

24) through: $(1, -3)$, perp. to $y = \frac{1}{4}x + 2$

$$y = -4x + 1$$

25) through: $(-4, -4)$, perp. to $y = -\frac{1}{2}x - 5$

$$y = 2x + 4$$

26) through: $(-2, -4)$, perp. to $y = -\frac{1}{4}x + 5$

$$y = 4x + 4$$