

21. Write the slope-intercept form of the equation of the line passing through the point (6,1) and parallel to the line $y = -4x + 3$

- A) $y = 4x - 24$ B) $y = -4x + 25$ C) $y = \frac{1}{4}x - \frac{3}{2}$ D) $y = -4x + 6$

22. Write a point-slope equation of the line that passes through the points (5,4) and (-5,5). Use (5,4) as the point (x,y).

A) $y - 5 = -10(x - 4)$ B) $y - 5 = -\frac{1}{10}(x - 4)$

C) $y - 4 = -10(x - 5)$ D) $y - 4 = -\frac{1}{10}(x - 5)$

23. Find an equation of the line in Standard Form containing the points (5,4) and (12,5).

- A) $-7x + 2y = -31$ B) $-x + 7y = 23$ C) $-2x + 14y = 62$ D) $x + 7y = 33$

24. Write the equation of the line in Standard Form. Use integer coefficients.

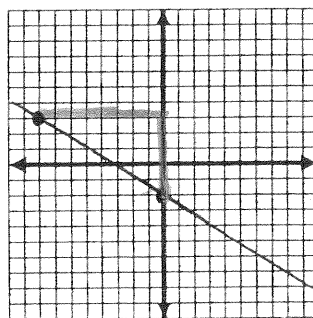
$$Y = -\frac{9}{8}x - \frac{7}{8}$$

- A) $9x + 8y = -7$ B) $y = 9x + 15$ C) $x = -\frac{8}{9}y - \frac{7}{9}$ D) $-8y = 9x + 7$

25. Write the equation of the graph in slope-intercept form:

A) $y = -\frac{8}{5}x - 2$ B) $y = -\frac{5}{8}x - 2$

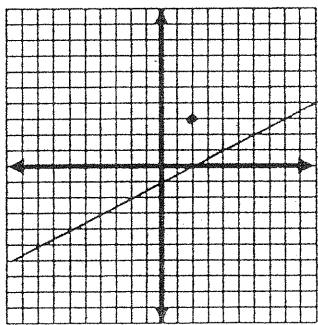
C) $y = \frac{8}{5}x - 2$ D) $y = \frac{5}{8}x - 2$



26. Write the slope-intercept form of the equation of the line passing through the point (3,2) and perpendicular to the line $y = \frac{1}{4}x - 5$

- A) $y = 4x - \frac{1}{14}$ B) $y = -4x - \frac{1}{14}$ C) $y = -4x + 14$ D) $y = 4x + 14$

27. Write in slope-intercept form the equation of the line that is perpendicular to the line in the graph and passes through the given point.




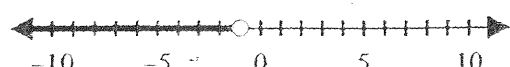


- A) $y = -2x + 7$ B) $y = -2x - 7$ C) $y = \frac{1}{2}x + 7$ D) $y = -\frac{1}{2}x - 7$

28. Solve the inequality. $-3x > 15$

- A) $x < -5$ B) $x > 5$ C) $x > -5$ D) $x < 5$

29. Graph the inequality. $x > -1$

- A) 
- B) 
- C) 
- D) 

30. Solve the inequality $2x + 1 \leq -15$

- A) $x \geq -7$ B) $x \leq -7$ C) $x \geq -8$ D) $x \leq -8$

31. Solve the inequality $4x + 5 \leq 2(x - 2)$

- A) $x \geq -\frac{9}{2}$ B) $x > -\frac{9}{2}$ C) $x < -\frac{9}{2}$ D) $x \leq -\frac{9}{2}$

32. Solve the inequality. $-6 \leq 3x + 9 \leq 12$

- A) $-5 \leq x \leq 1$ B) $-1 \leq x \leq 5$ C) $5 \leq x \leq 1$ D) $1 \leq x \leq 7$