

HW 2-7: Graph Using Any Method

Convert each equation from standard form to slope-intercept form.

1. $4x + 5y = -20$

$y = -\frac{4}{5}x - 4$

2. $-6x + y = 0$

$y = 6x - \frac{5}{2}$

3. $-12x + 3y = 18$

$y = 4x + 6$

4. $x - 14y = 7$

5. $10x - 2y = 5$

6. $5x - 3y = -15$

Find the x and y intercepts.

7. $3x - 5y = 15$

x-intercept: $(5, 0)$
y-intercept: $(0, -3)$

8. $4x + 9y = 12$

x-intercept: _____
y-intercept: _____

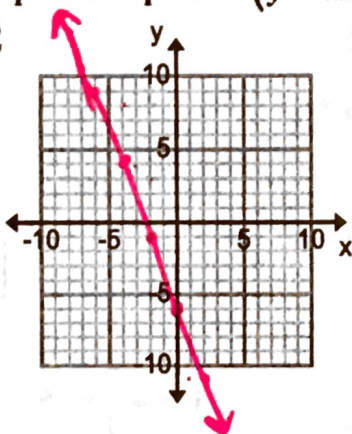
9. $7x - 14y = 7$

x-intercept: $(1, 0)$
y-intercept: $(0, -\frac{1}{2})$

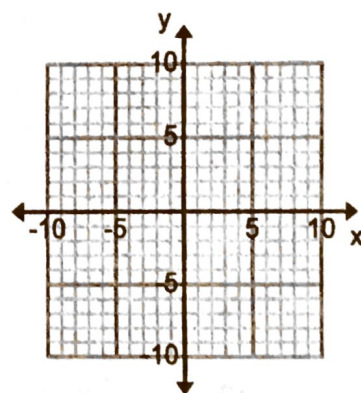
Solve for y. Write in slope-intercept form ($y = mx + b$), then graph.

1. $-5x - 2y = 12$

$y = -\frac{5}{2}x - 6$

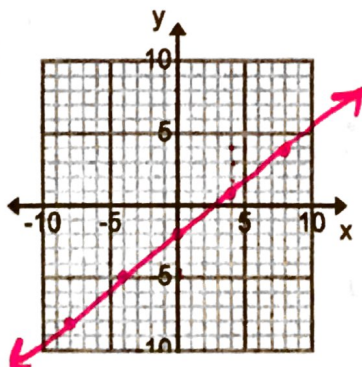


2. $-x = 3y + 18$

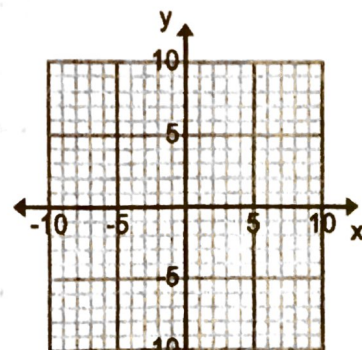


3. $3x - 4y = 8$

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



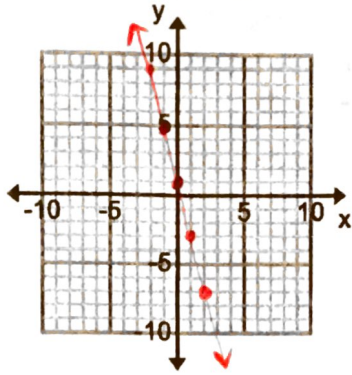
4. $-3y + 2x = -6$



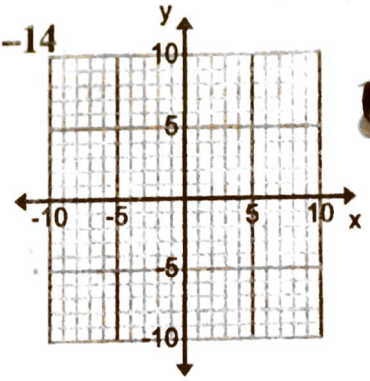
Solve for y . Write in slope-intercept form ($y = mx + b$), then graph.

5. $-8x = 2y - 2$

$y = -4x + 1$

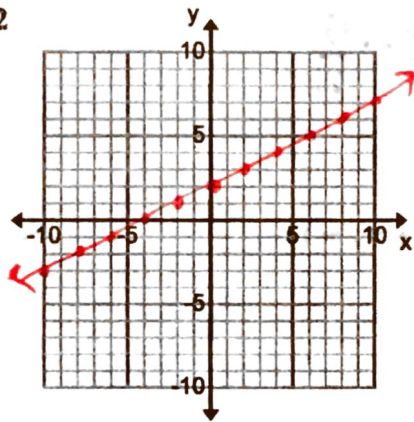


6. $-7y + 2x = -14$

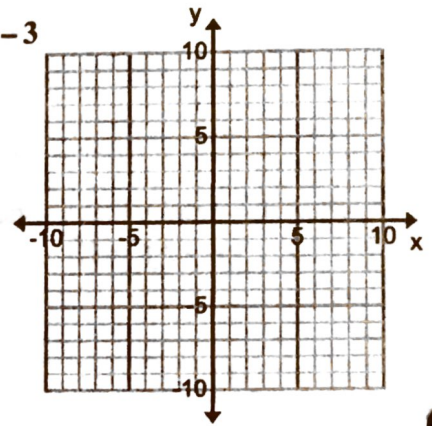


Use the slope and y-intercept to graph each equation.

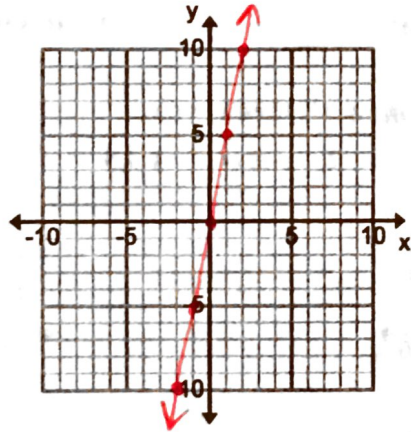
13. $y = \frac{1}{2}x + 2$



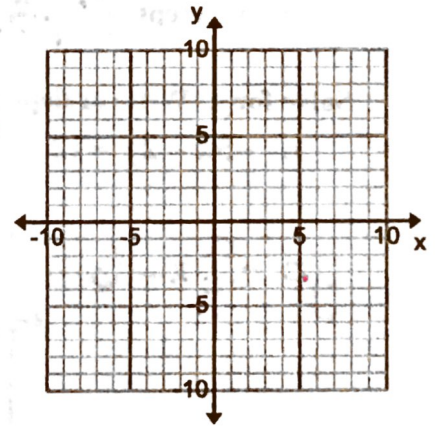
14. $y = -\frac{2}{5}x - 3$



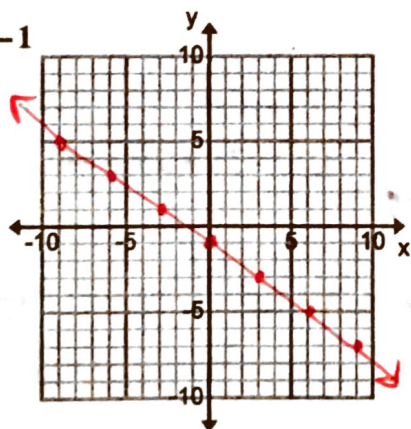
15. $y = 5x$



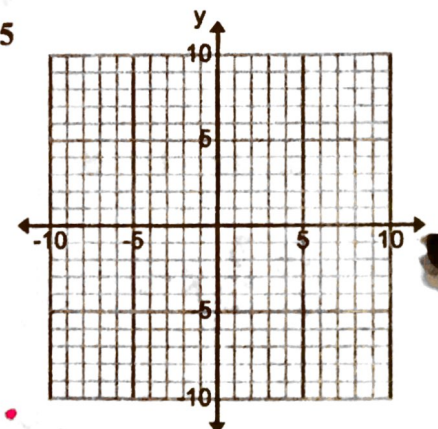
16. $y = 3x + 1$



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

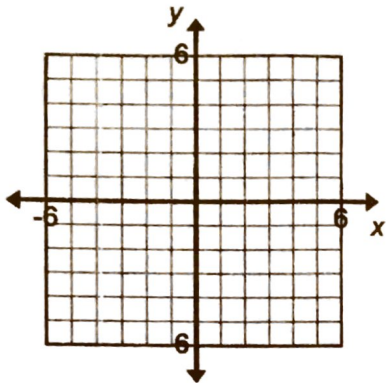


18. $y = \frac{7}{4}x - 5$

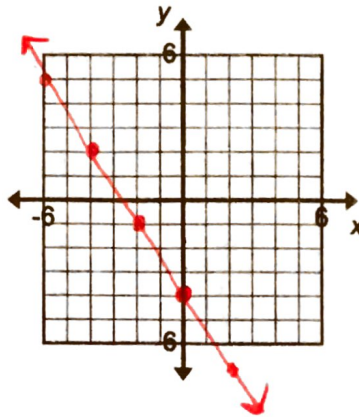


Graph using any method.

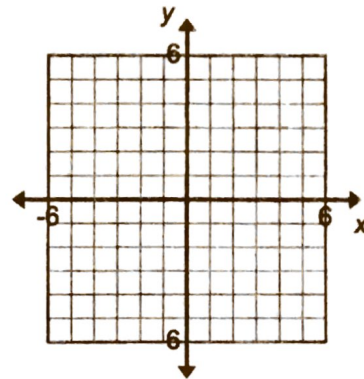
10. $y = -4x + 2$



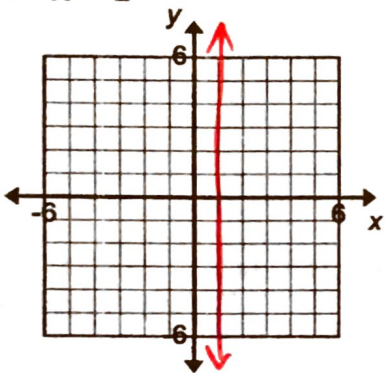
11. $3x + 2y = -8$



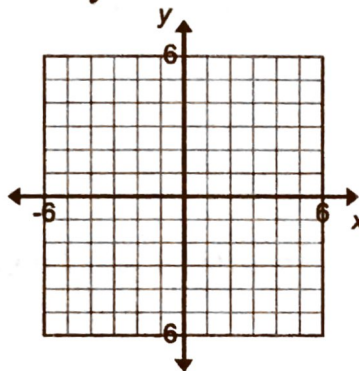
12. $4x - 6y = 12$



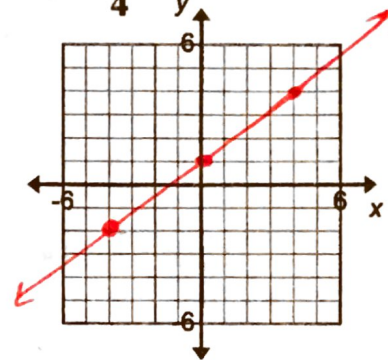
13. $x = 1$



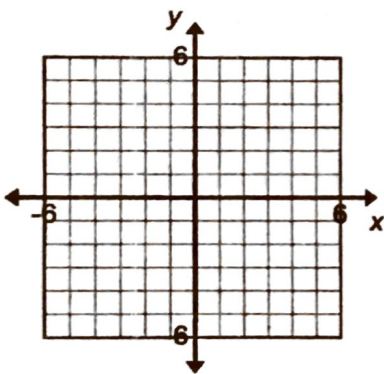
14. $y = x$



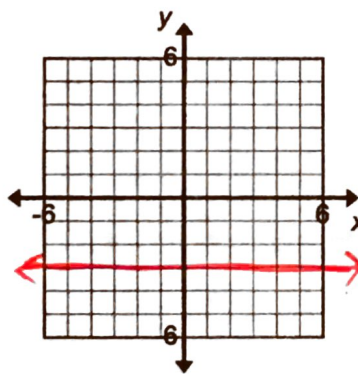
15. $y = \frac{3}{4}x + 1$



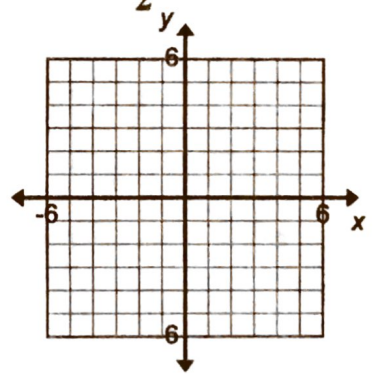
16. $y = -3x$



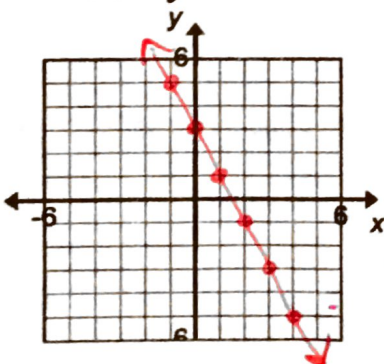
17. $y = -3$



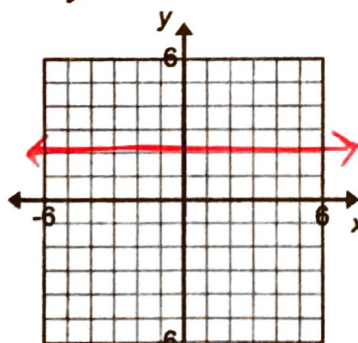
18. $y = -\frac{1}{2}x + 4$



19. $2x + y = 3$



20. $y = 2$



21. $3x + 4y = 6$

