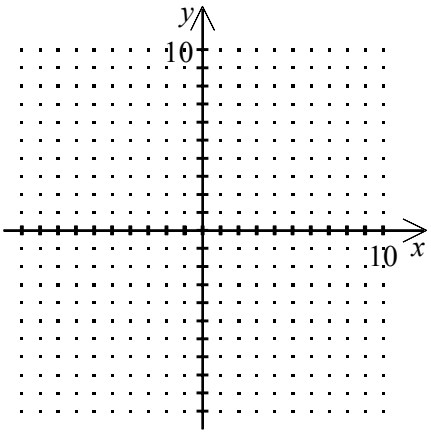
Algebra
Slope-Intercept and Standard Form

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

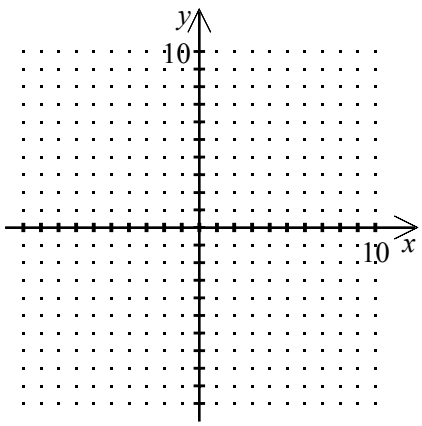
1. $y = -x + 2$

m = _____ b = _____



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

m = _____ b = _____



Find the *x*- and *y*-intercepts of the equations.

3. $3x - 6y = 24$

x-intercept: _____

y-intercept: _____

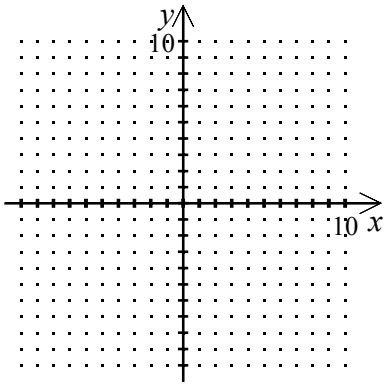
4. $2x - 5y = -20$

x-intercept: _____

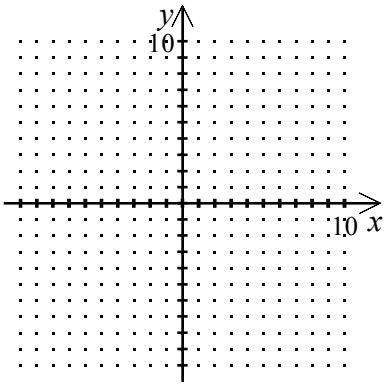
y-intercept: _____

Graph the equation using *x*- and *y*-intercepts.

5. $-6x+2y=-12$

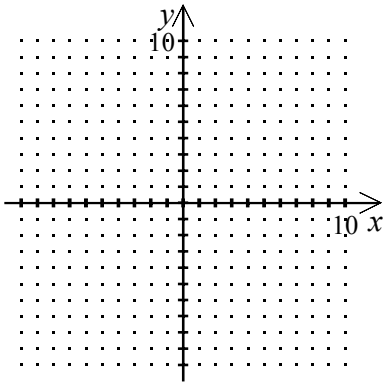


6. $4x+3y=12$

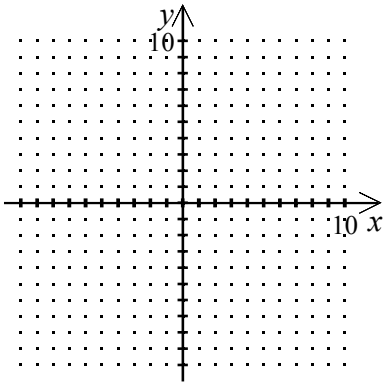


Graph the equations.

7. $x=-2$



8. $y=4$



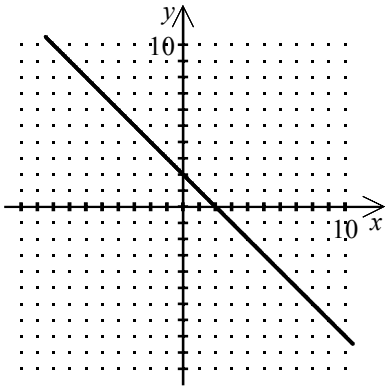
Write the equation in standard form using integers (standard form → Ax + By = C).

9. $y = 7x - 1$

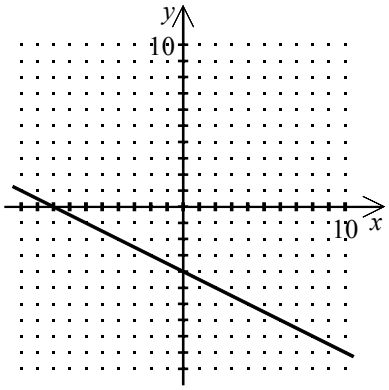
10. $y = \frac{5}{4}x + \frac{3}{4}$

11. $y = -\frac{4}{5}x + 2$

[1]



[2]



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[3] x-intercept: 8; y-intercept: –4

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[4] x-intercept: –10; y-intercept: 4

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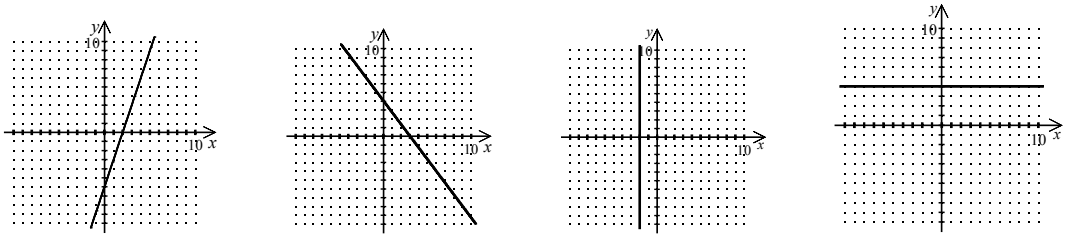
[5] [6] [7] [8]



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[9] $-7x+y=-1$ or $7x-y=1$

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[10] $-5x+4y=3$ or $5x-4y=-3$

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[11] 4x + 5y = 10