

Graphing Worksheet 35

For exercises 1-10, write the equation (in slope-intercept form) of the line whose graph is parallel to the graph of the given equation and passes through the given point.

1. $y = -\frac{2}{5}x - 10$ passing through $(0, 9)$

2. $y = -x - 5$ passing through $(0, -8)$

3. $y = -\frac{5}{6}x$ passing through $(2, 7)$

4. $x = -9$ passing through $(-2, 3)$

5. $y = x + 7$ passing through $(5, -10)$

6. $-2x - 3y = -6$ passing through $(-7, -6)$

7. $6x - y = -4$ passing through $(5, 9)$

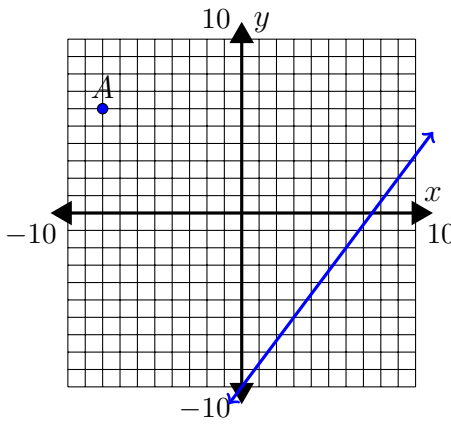
8. $5x - 8y = -3$ passing through $(1, 2)$

9. $-3x - 6y = -5$ passing through $(8, -7)$

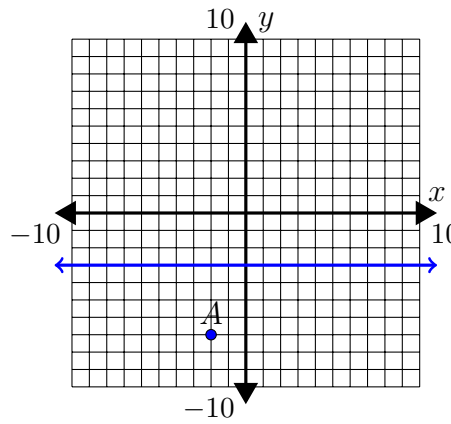
10. $-4y = 4$ passing through $(10, 9)$

For exercises 11-16, write the equation of the line (in slope-intercept form) whose graph is parallel to the graphed line and passes through point A.

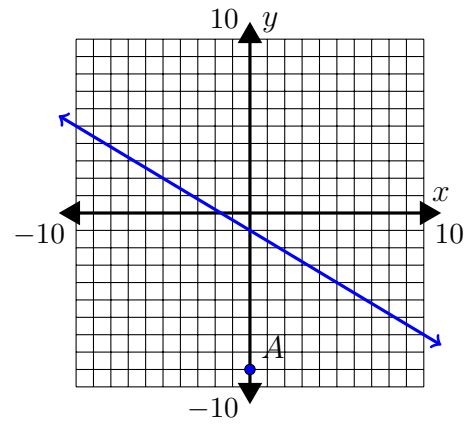
11.



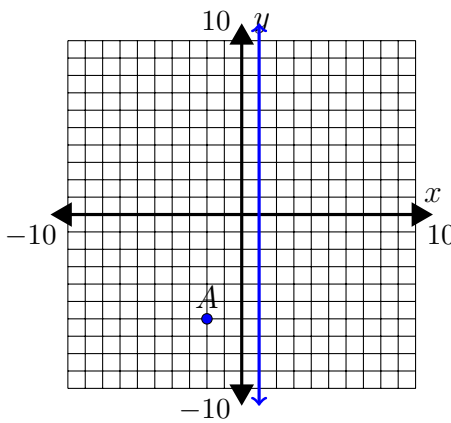
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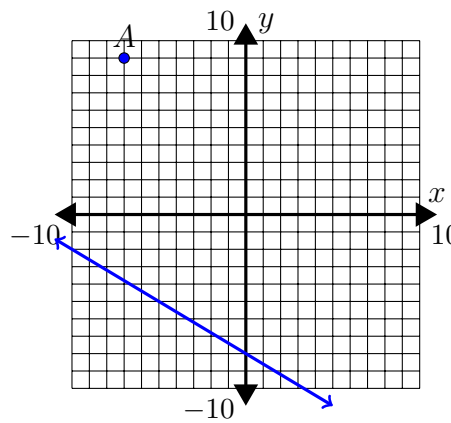
13.



14.



15.



16.

