

Solving and graphing absolute value

Solve each equation.

1) $-8|-1 + 3x| - 3 = -19$

2) $10 - 8|-4b + 6| = 58$

3) $8|7x - 3| - 3 = 21$

4) $-9|4 + 10x| - 2 = -38$

5) $-8|10x + 4| - 4 = -36$

6) $9 - 3|-8x + 9| = 6$

7) $-3|-10x - 6.2| - 0.9 = -64.5$

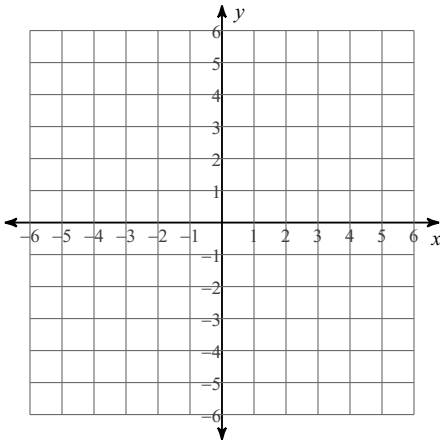
8) $-3.4 - 2.3|7.8n - 7.4| = 76.41$

9) $2.4 - 2.3|x + 0.3| = -0.59$

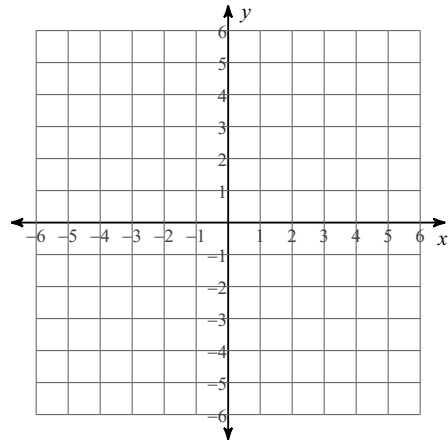
10) $9.9 - 7.6|5v + 10| = -81.3$

Graph each equation.

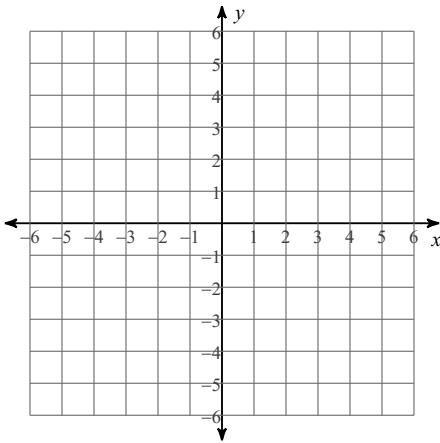
11) $y = |x - 2| + 3$



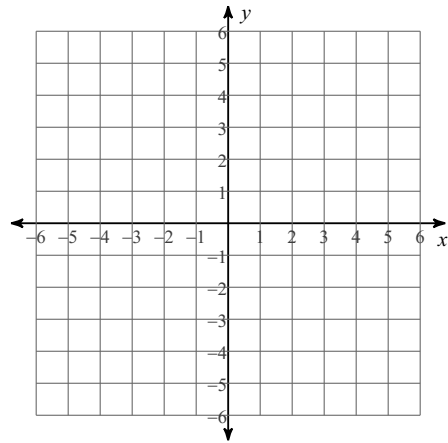
12) $y = |x + 1| - 4$



13) $y = |x - 3| - 4$



14) $y = |x + 2| - 1$



Answers to Solving and graphing absolute value (ID: 1)

1) $\left\{1, -\frac{1}{3}\right\}$

2) No solution.

3) $\left\{\frac{6}{7}, 0\right\}$

4) $\left\{0, -\frac{4}{5}\right\}$

5) $\left\{0, -\frac{4}{5}\right\}$

6) $\left\{1, \frac{5}{4}\right\}$

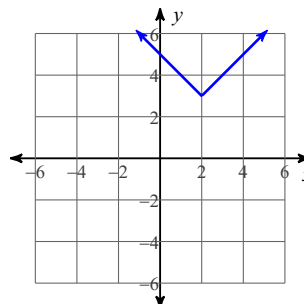
7) $\{-2.74, 1.5\}$

8) No solution.

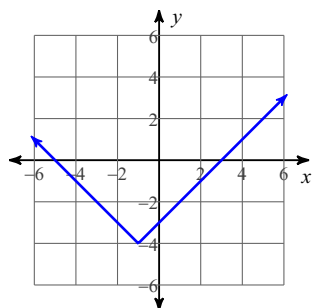
9) $\{1, -1.6\}$

10) $\{0.4, -4.4\}$

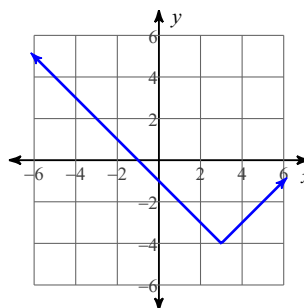
11)



12)



13)



14)

