Algebra 1 Name_____ ID: 1

10.3 Worksheet

Date_____ Period____

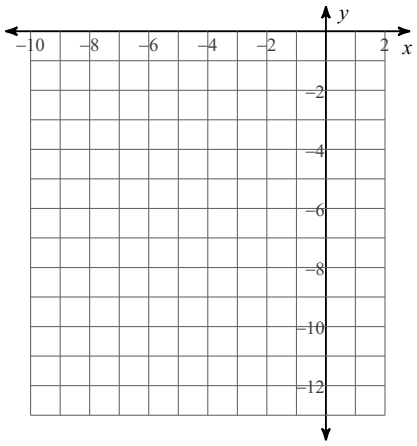
Solve each equation by factoring.

1) $x^2 + 1 = 2x$

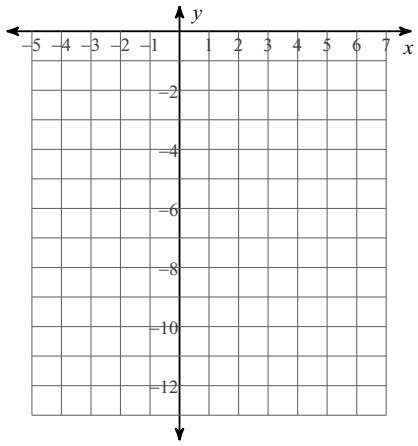
2) $b^2 + 5b = 14$

Sketch the graph of each function. Then, state the solutions of each graph.

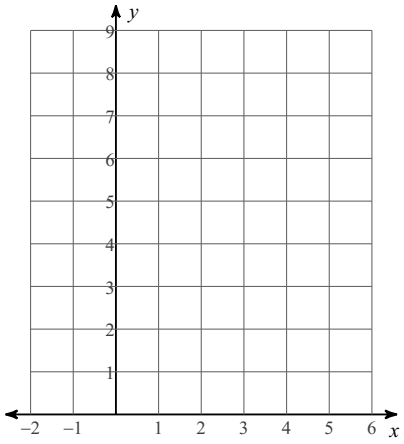
3) $y = -2(x + 3)^2 - 4$



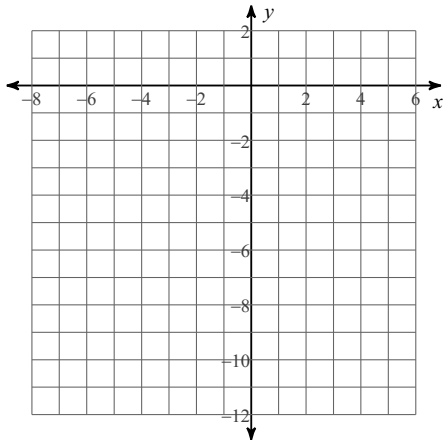
4) $y = -2(x + 1)^2 - 4$



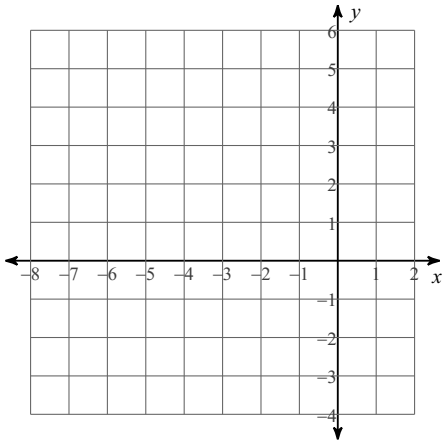
5) $y = (x - 2)^2 + 4$



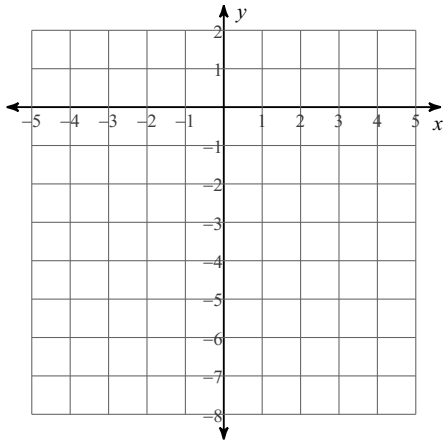
6) $y = -3(x - 1)^2 + 1$



7) $y = 2(x + 3)^2 - 3$



8) $y = -2(x - 3)^2 + 1$



Find the square root.

9) $\sqrt{81}$

10) $\sqrt{x^2}$

Solve the Equation.

11) 4x-400=0

12) 2w-13=11