

10.3 Homework

Date _____ Period _____

Simplify.

1) $\sqrt{112}$

Find each product.

2) $(v - 6)(2v + 3)$

Factor the common factor out of each expression.

3) $56b^4 + 48b^3 + 80b^2$

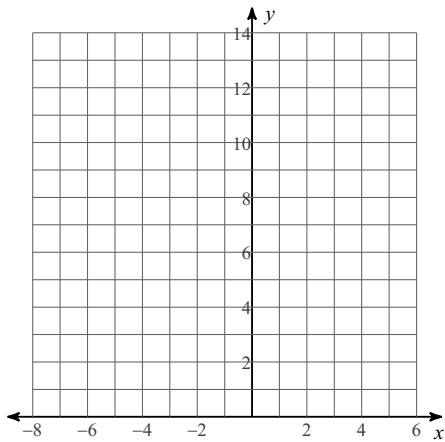
Solve each equation using the zero product property.

4) $(x + 4)(x - 1) = 0$

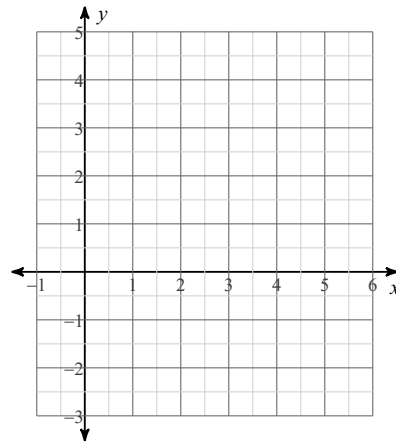
5) $(p - 3)(p + 4) = 0$

Complete the square if necessary, then sketch the graph of each function.

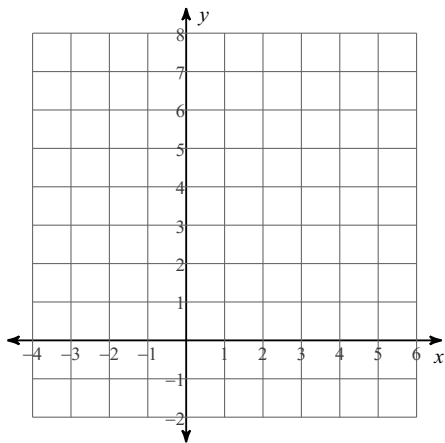
6) $y = 3(x - 1)^2 + 1$



7) $y = x^2 - 8x + 15$



8) $y = 2x^2 - 8x + 7$

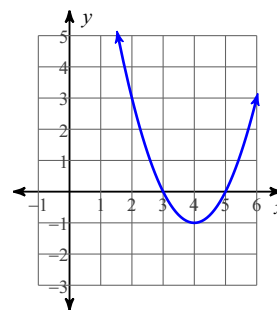
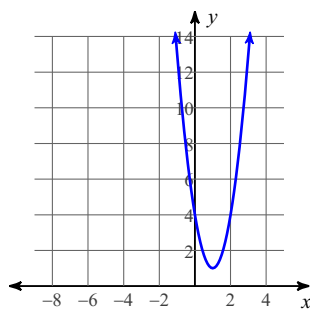


Answers to 10.3 Homework (ID: 1)

- 1) $4\sqrt{7}$
- 5) $\{3, -4\}$

2) $2v^2 - 9v - 18$
6)

3) $8b^2(7b^2 + 6b + 10)$ 4) $\{-4, 1\}$
7)



8)

