

9.3 Homework

Date _____ Period _____

Simplify.

1) $\sqrt{125}$

2) $\sqrt{63}$

Find the value of c that completes the square.

3) $m^2 + 18m + c$

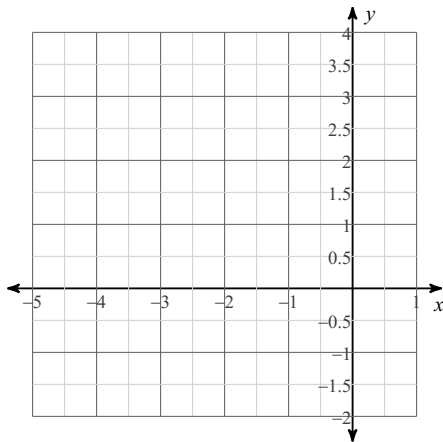
4) $z^2 - 2z + c$

5) $a^2 - 19a + c$

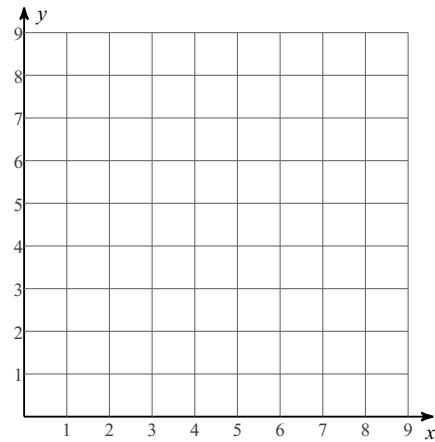
6) $x^2 - 14x + c$

First, complete the square to change the equation into vertex form. Then, graph it precisely

7) $y = x^2 + 4x + 3$



8) $y = x^2 - 8x + 20$



Find each product.

9) $(x + 5)^2$

Factor the common factor out of each expression.

10) $-40n + 50$

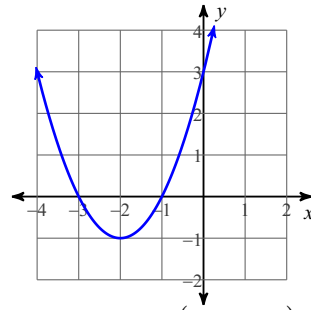
Answers to 9.3 Homework

1) $5\sqrt{5}$
 5) $\frac{361}{4}$

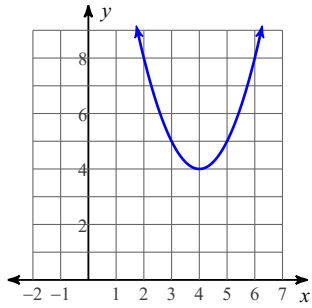
2) $3\sqrt{7}$
 6) 49

3) 81
 7)

4) 1



8)



9) $x^2 + 10x + 25$

10) $10(-4n + 5)$