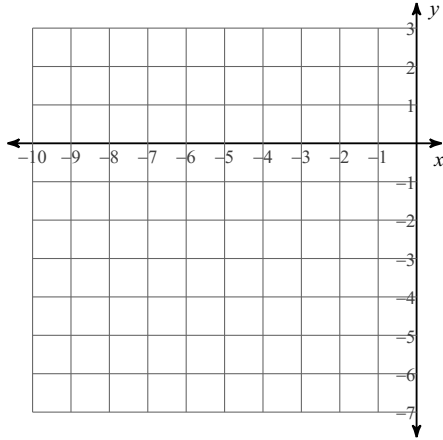


10.2 Homework

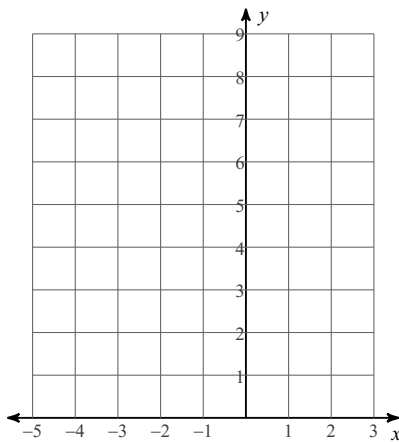
Convert to standard form and sketch the graph of each function.

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

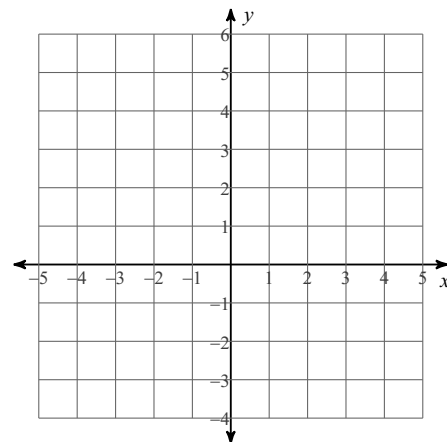


Complete the square to put into vertex form, then graph each function precisely.

2) $y = x^2 + 2x + 5$



3) $y = 2x^2 + 12x + 15$



Factor the common factor out of each expression.

4) $27v^6 + 12v + 30$

Simplify.

5) $-\sqrt{6} + 2\sqrt{6} + 2\sqrt{6}$

6) $\sqrt{72}$

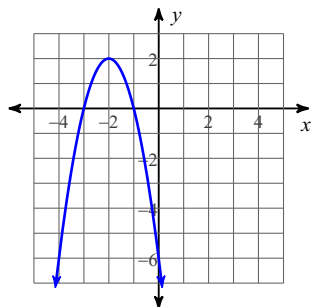
7) $\sqrt{200}$

Find each product.

8) $(3m - 6)(4m - 5)$

Answers to 10.2 Homework (ID: 1)

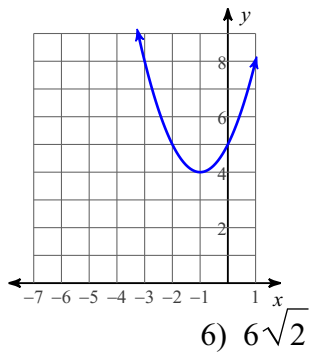
1)



4) $3(9v^6 + 4v + 10)$

8) $12m^2 - 39m + 30$

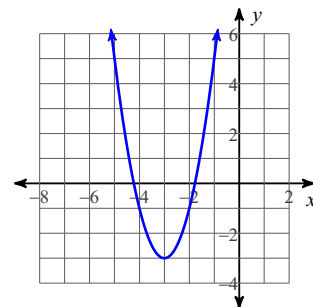
2)



5) $3\sqrt{6}$

6) $6\sqrt{2}$

3)



7) $10\sqrt{2}$