

11.2 Homework

Date _____ Period _____

Simplify.

1) $\sqrt{180}$

2) $\sqrt{32}$

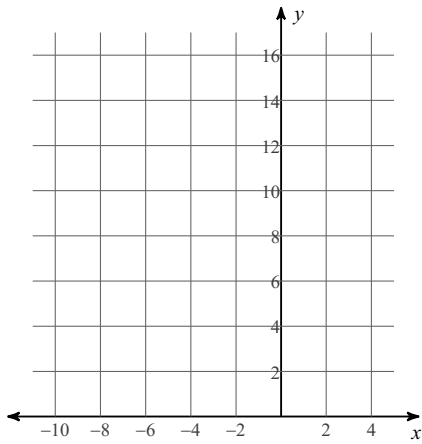
Factor the greatest common factor out of each expression.

3) $-6a^2 - 15a$

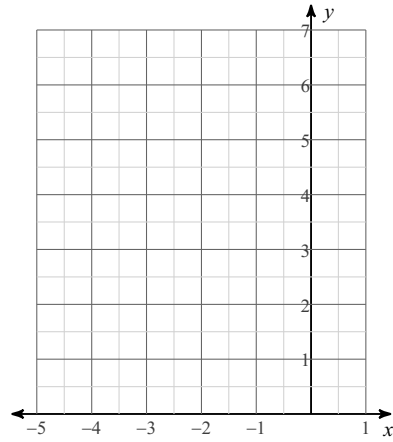
4) $14 + 35x^{11}$

Sketch the graph of each function. Complete the Square if necessary

5) $y = 3(x + 1)^2 + 4$



6) $y = x^2 + 6x + 11$



Find the roots and the axis of symmetry for each quadratic function

7) $y = (x + 8)(x - 3)$

8) $y = (m + 1)(6m + 5)$

Answers to 11.2 Homework

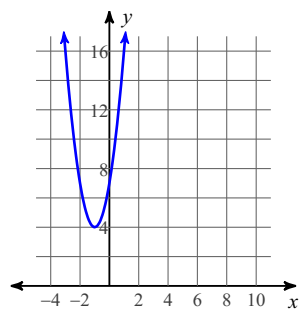
1) $6\sqrt{5}$

2) $4\sqrt{2}$

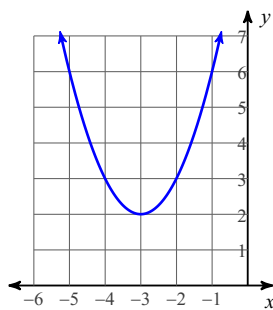
3) $-3a(2a + 5)$

4) $7(2 + 5x^{11})$

5)



6)



7) $\{-8, 3\}$ Axis of symmetry is $x = -5/2$

8) $\{-1, -\frac{5}{6}\}$ Axis of symmetry is $x = -11/12$