

8.4 Homework

Date _____ Period _____

Simplify.

1) $\sqrt{196x^2}$

2) $4\sqrt{7} - 2\sqrt{7}$

3) $-2\sqrt{6} + 5\sqrt{6}$

4) $\sqrt{3} \cdot \sqrt{2}$

Find each product.

5) $(4a - 2)(a + 3)$

6) $(6x + 1)(2x - 3)$

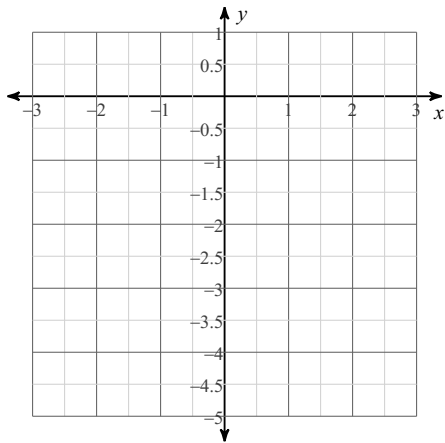
Factor the common factor out of each expression.

7) $72a^2 + 16a - 16$

8) $-56n^2 + 35n$

Sketch the graph of each function.

9) $y = -x^2$



Answers to 8.4 Homework

1) $14x$

2) $2\sqrt{7}$

3) $3\sqrt{6}$

4) $\sqrt{6}$

5) $4a^2 + 10a - 6$

6) $12x^2 - 16x - 3$

7) $8(9a^2 + 2a - 2)$

8) $7n(-8n + 5)$

9)

