Homework

Activity 1

Solve the expressions. Remember to use PEMDAS. Use a calculator if necessary and round to the nearest tenths place.

1. $\sqrt{2+4}$
2. $\sqrt{3+13}$
3. $\sqrt{55-6}$
4. $\sqrt{7+3}$

Activity 2

Solve the expressions involving radicals. Remember to use PEMDAS. Be sure to find all of the solutions.

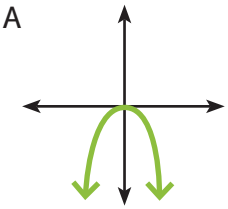
1. $\sqrt{2+4}+9$
2. $2 \cdot \sqrt{3+13}$
3. $3 \cdot \sqrt{55-6}+2$
4. $-3 \cdot \sqrt{7+3}-8$

Activity 3

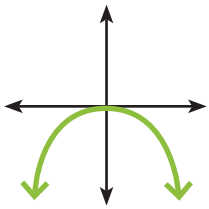
Match the functions with their graphs. Use the letters next to the parabolas to identify them.

1. $y = -\frac{1}{2}x^2$
2. $y = 3x^2$
3. $y = -3x^2$
4. $y = \frac{1}{2}x^2$

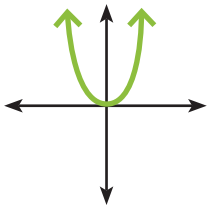
A



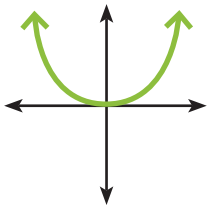
B



C



D



Activity 4 • Distributed Practice

Draw the graph for each of the functions.

1. $y = 3x$
2. $y = -x$
3. $y = 2x + -1$