

Homework

Activity 1

Square the numbers.

- 5^2
- $(\frac{1}{3})^2$
- x^2 when $x = -2$
- $(5 + 2)^2$
- $3 \cdot 3^2$

Activity 2

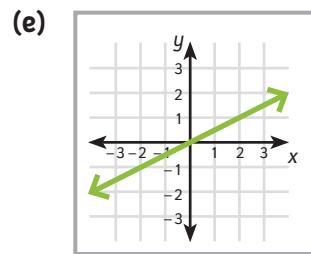
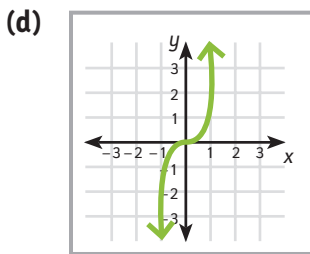
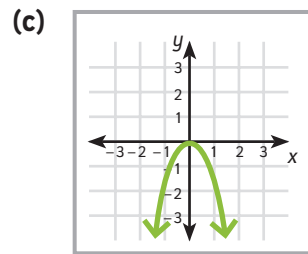
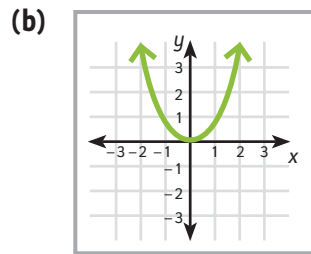
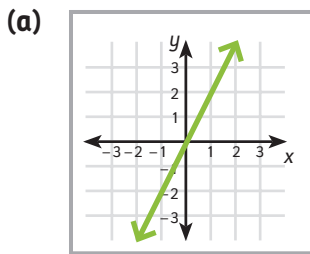
Solve the equations involving radicals. Remember, you can square each side to make the solution easier.

- $\sqrt{x+1} = 2$
- $\sqrt{2+x} = 4$
- $\sqrt{x-4} = \sqrt{9}$
- $\sqrt{2x+1} = 3$
- $\sqrt{4x+2} = 5$

Activity 3

Select the graph that matches each of the equations for functions. Use the letter next to the graph to identify it.

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



Homework

Activity 4 • Distributed Practice

Represent the functions given as equations using words. There are many different applications you can use. Some examples are car rentals, price per pound, cost per gallon, or dollars per hour.

1. Write a word statement for the function $y = 4x$.
2. Write a word statement for the function $y = x$.
3. Write a word statement for the function $y = 0.10x + 100$.