



Name _____ Date _____

Graph Equations

CA Standards

KEY MG 2.0, KEY MG 2.1

Solve.

1. Given the function rule $y = 2x$, what is the value of y if x equals 2?

3. If $y = 3x + 2$, what is the value of x that makes y equal 11?

5. Matteo and Mohammed are competing in a bike race. Matteo bikes 15 miles in one hour and Mohammed bikes 18 miles in one hour. Use a function rule to determine how far Matteo and Mohammed have biked after two hours. What is the difference between their distances?

2. Given the function rule $y = x + 3$, what is the value of y if x equals 4?

4. Julie is opening a lemonade stand. If she sells each cup of lemonade for \$2, write a function rule for the total amount of money she earns based on the number of cups sold. What are the inputs and outputs?

6. In the example in problem 5, suppose that after 2 hours, Matteo kept biking for an additional hour, and Mohammed stopped to eat lunch. After 3 hours, how far ahead of Mohammed will Matteo be?
