

1. Consider the following two function definitions:

$$g(a) = 5a$$

$$h(a) = a + 5$$

Which of these functions will always produce the larger value? Explain your answer.

2. Consider the following two function definitions:

$$f(y) = y + y$$

$$g(y) = 3y - 4$$

Which of these functions will always produce the larger value? Explain your answer.

3. A friend sees the word “function” in your math book and asks what it means. In terms of mathematics, how do you explain “function” to them?

4. Consider the expression $3m - 6$



a. *The arrow points to m . What does m stand for?*

b. *Could m represent 21? Why or why not?*

c. *Could m represent the expression $(5 + 2)$? Why or why not?*

d. *How many different numbers could m represent?*