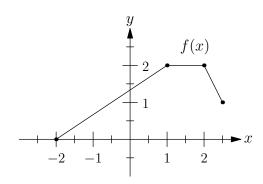
SAT Math Function Examples

- 1. If f(x) = 3x 7, then:
 - a) What is f(2)?
 - b) What is 3f(3)?
 - c) What is f(chickpea)?
 - d) If f(a) = 14, then what is a?
 - e) If f(2b) = 23, then what is b?
 - f) If f(c) + f(2c) = 4, then c = ?
 - g) If f(3d-7)=8, then d=? \odot

x	f(x)
1	1
2	3
3	5
4	7
5	9
6	11

- 2. For the function in the table above,
 - a) What is f(3)?
 - b) If f(a) = 7, then what is a?
 - c) If f(2) = b, then what is f(2b)? \odot

- **3.** If $g(x) = x^2$, then
 - a) What is g(-2)?
 - b) If g(w) = 25, then what is w? ©
 - c) If g(a) = 12, then what is g(2a)? ©
- **4.** Define $\triangle x = 1 3x$. Then:
 - a) What is $\triangle 2$?
 - b) If $\triangle a = 4$, then a = ?
 - c) What is $\frac{\triangle 3}{\triangle 1}$?



- **5.** For the function f graphed above,
 - a) What is f(1.5)?
 - b) If c < 0 and f(c) = 1, then $c = ? \odot$
 - c) For how many values of x is $f(x) = \frac{3}{2}$?

SAT Math Function Examples Answers

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 - c) What is f(chickpea)? $3 \times \text{chickpea} 7$
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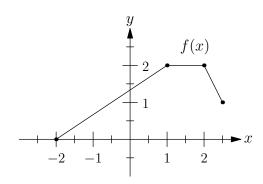
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a) What is
$$\triangle 2$$
?

b) If
$$\triangle a = 4$$
, then $a = ?$

c) What is
$$\frac{\triangle 3}{\triangle 1}$$
?



- **5.** For the function f graphed above,
 - a) What is f(1.5)?
 - b) If c < 0 and f(c) = 1, then $c = ? \odot -\frac{1}{2}$
 - c) For how many values of x is $f(x) = \frac{3}{2}$? Two

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