

Evaluate the expression when $x = 3$ and $y = -5$. (Lessons 1.1, 2.3)

- $7x - 2$
- $y - x$
- $2x - y$
- $x^2 - (3 + y)$

Evaluate the expression. (Lesson 1.2)

- $8 - 9 \div 3 + 2^2$
- $\frac{17 - 13}{3^2 - 1}$
- $42 - [(5^2 + 3^3) + 4]$

Write an algebraic expression, equation, or inequality. (Lesson 1.3, 1.4)

- The difference of three times a number x and 4
- 11 less than the product of 8 and a number y
- The sum of a number x and 15 is 7.
- 7 times a number y is less than the number y squared.

Check whether 3 is a solution of the equation or inequality. (Lesson 1.5)

- $12 + 4x = 19$
- $x^2 - 7 \leq 12$
- $12x - 5 > 3x^2 + 5$
- Boarding Fees A dog kennel's boarding fees are \$11.50 per night for a small dog and \$13.75 per night for a large dog. First write an algebraic expression for the total income from boarding fees. Then find the total income if 7 small dogs and 5 large dogs were boarded for the night.

Write a rule for the function. Identify the domain and the range.

(Lesson 1.6)

16.

Input, x	5	6	7	8	9
Output, y	1	2	3	4	5

17.

Input, x	0	2	4	6	8
Output, y	0	1	2	3	4

18. Graph the function $y = 3x + 1$ with domain 0, 1, 2, 3, and 4. (Lesson 1.7)

Order the numbers in the list from least to greatest. (Lesson 2.1, 2.7)

- $-\frac{1}{3}, 0, 1.5, -0.6, \frac{1}{2}$
- $3.2, -\sqrt{8}, -3.5, \sqrt{9}, -\sqrt{4}$