Translate Phrases into an Algebraic Statement

Name:

Date:

Write an algebraic expression for each phrase.

1) t divided by 8.

2) The product of 9 and n.

3) Subtract 5 from c.

4) Seven less than a number equals ten.

5) Twice a number.

6) The square of a number.

7) Twice the sum of a number and 3 is twelve.

8) Subtract 8 from z.

9) The difference between y and 12 is 25.

10) Two decreased by three times a number is nine.

11) 5 more than 2 times a number.

12) Subtract the product of x and b from 15.

13) four divided by a number.

14) a number y to the power of sixty-four.

15) four times a number, plus nine.

16) three times b reduced by the square of y.

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Answers

Write an algebraic expression for each phrase.

1) t divided by 8.⇒ $\frac{t}{8}$

2) The product of 9 and n. ⇒ $9 \times m$

3) Subtract 5 from c.⇒ $c - 5$

4) Seven less than a number equals ten. ⇒ $x - 7 = 10$

5) Twice a number. ⇒ $2x$

6) The square of a number. ⇒ x^2

7) Twice the sum of a number and 3 is twelve.⇒ $2 \times (x + 3) = 12$

8) Subtract 8 from z.⇒ $z - 8$

9) The difference between y and 12 is 25. ⇒ $y - 12 = 25$

10) Two decreased by three times a number is nine. ⇒ $2 - 3x = 9$

11) 5 more than 2 times a number.⇒ $2x + 5$

12) Subtract the product of x and b from 15.⇒ $15 - xy$

13) four divided by a number. ⇒ $\frac{4}{y}$

14) a number y to the power of sixty-four. ⇒ y^{64}

15) four times a number, plus nine. ⇒ $4x + 9$

16) three times b reduced by the square of y. ⇒ $3b - y^2$