

Name : _____

Translating Sentences: Two-Step Equations

MS1

Translate each sentence into an algebraic equation.

1) 3 added to the square of z gives 7.

2) A quarter less than 6 times r is 1.

3) Twice the cube of z is 10.

4) The sum of 4 and z is 10.

5) 1 decreased by z is 10.

6) Adding thrice z to 10 gives 19.

7) The square root of z is 10.

8) Subtracting three-fourths of y from 7 results in 19.

9) The ratio of cube of x to 2 is same as 4.

10) 6 times the square of j equals 24.

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Translating Sentences: Two-Step Equations

Translate each sentence into an algebraic equation.

1) 3 added to the square of z gives 7.

$$z^2 + 3 = 7$$

2) A quarter less than 6 times r is 1.

$$6r - \frac{1}{4} = 1$$

3) Twice the cube of h is 16.

$$2h^3 = 16$$

4) The sum of 4 and m is 15.

$$4 + \frac{1}{2}m = 15$$

5) 1 decreased by e squared is 8.

$$1 - e^2 = 8$$

6) Adding thrice b to 2 gives 5.

$$3b + \frac{2}{7} = 5$$

7) The square root of c plus 1 is 9.

$$\sqrt{c + 1} = 9$$

8) Subtracting three-fourths of y from 7 results in 19.

$$7 - \frac{3}{4}y = 19$$

9) The ratio of cube of x to 2 is same as 4.

$$\frac{x^3}{2} = 4$$

10) 6 times the square of j equals 24.

$$6j^2 = 24$$

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