

Name : _____

Translating Phrases: Two-Step Equations

MS1

Translate each verbal phrase 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 x is 10

4) Combine 4 and 5

5) The square of m is 16

6) Adding thrice n to 8

7) The square root of p is 5

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 Phrases: Two-Step Equations

Translate each verbal phrase into an algebraic equation.

1) 3 added to the square of z gives 7

$$\underline{z^2 + 3 = 7}$$

2) A quarter less than 6 times r is 1

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

3) Twice the cube of h is 16

$$\underline{2h^3 = 16}$$

4) Combine 4 and m

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

5) The square of e is 9

$$\underline{e^2 - 1 = 8}$$

6) Adding thrice b to 3

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

7) The square root of c plus 1 is 9

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

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

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

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

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

10) 6 times the square of j equals 24

$$\underline{6j^2 = 24}$$

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