

Name : \_\_\_\_\_

## Translating Phrases: One-Step Equations

ES1

Translate each verbal phrase into an algebraic equation.

1) Sum of  $x$  and 3 gives 5

\_\_\_\_\_

2) 2 multiplied by  $b$  is equal to 8

\_\_\_\_\_

3) Difference between  $y$  and 23 is 12

\_\_\_\_\_

4) Product of 4 and  $z$  is the same as 16

\_\_\_\_\_

5) Total of  $m$  and 3 is 21

\_\_\_\_\_

6)  $b$  divides 6 gives 1

\_\_\_\_\_

7)  $n$  minus 2 is equal to 16

\_\_\_\_\_

8) 11 times  $p$  is 33

\_\_\_\_\_

9) 20 exceeds  $c$  gives 18

\_\_\_\_\_

10) One-half of  $x$  is equal to 3

\_\_\_\_\_

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## Answer Key

### Translating Phrases: One-Step Equations

ES1

Translate each verbal phrase into an algebraic equation.

1) Sum of x and 3 gives 5

$$\underline{x + 3 = 5}$$

2) 2 multiplied by b is equal to 8

$$\underline{2b = 8}$$

3) Difference between y and 23 is 12

$$\underline{y - 23 = 12}$$

4) Product of 4 and z is the same as 16

$$\underline{4z = 16}$$

5) Total of m and 3 is 21

$$\underline{m + 3 = 21}$$

6) b divides 6 gives 1

$$\underline{\frac{6}{b} = 1}$$

7) n minus 2 is equal to 16

$$\underline{n - 2 = 16}$$

8) 11 times p is 33

$$\underline{11p = 33}$$

9) 20 exceeds c gives 18

$$\underline{20 - c = 18}$$

10) One-half of x is equal to 3

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