



# TRANSLATING PHRASES

Name \_\_\_\_\_

Score \_\_\_\_\_

AE:30

Translate the phrases into algebraic equations.

1) Six times  $y$  is the same as the difference between two and  $z$

2) Four times the sum of seven and  $h$  is nine

3) Product of eleven and  $g$  equals twenty-two

4) Take away three from eight times  $v$  to give ten

5)  $k$  increased by two is as much as four divided by seven

6) Dividing five by  $v$  gives six

7) Nine divides the difference of  $b$  and three to give twelve

8) Nineteen added to  $m$  is equal to six

9) Product of five and  $d$  gives fifteen

10) The quotient of two  $n$  minus seven and four amounts to eight



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## Answer key

AE:30

Translate the phrases into algebraic equations.

1) Six times y is the same as the difference between two and z

$$6y = 2 - z$$

2) Four times the sum of seven and h is nine

$$4(7 + h) = 9$$

3) Product of eleven and g equals twenty-two

$$11g = 22$$

4) Take away three from eight times v to give ten

$$8v - 3 = 10$$

5) k increased by two is as much as four divided by seven

$$k + 2 = \frac{4}{7}$$

6) Dividing five by v gives six

$$\frac{v}{5} = 6$$

7) Nine divides the difference of b and three to give twelve

$$\frac{b - 3}{9} = 12$$

8) Nineteen added to m is equal to six

$$6 = 19 + m$$

9) Product of five and d gives fifteen

$$5d = 15$$

10) The quotient of two n minus seven and four amounts to eight

$$\frac{2n - 7}{4} = 8$$