

Name : _____

Translating Phrases: Single-Variable

DS1

Translate each verbal phrase into an algebraic expression.

1) The total of b and 5 is raised to the sixth power _____

2) 1 added to the quotient of the cube of r and 7 _____

3) The cube of _____

4) The sum of 5 _____

5) 3 times the s _____

6) 4 divides the _____
t and 3

7) Subtract the _____

8) Add three-fifths to twice the square of h _____

9) The sum of g and 1 raised to the fifth power is added to 6 _____

10) Add 16 to twice the cube of d _____

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Answer Key

DS1

Translating Phrases: Single-Variable

Translate each verbal phrase into an algebraic expression.

1) The total of b and 5 is raised to the sixth power $(b + 5)^6$

2) 1 added to the quotient of the cube of r and 7 $1 + \frac{r^3}{7}$

3) The cube of $y - 4$ $(y - 4)^3$

4) The sum of 5 and p^2 $\frac{5 + p^2}{2}$

5) 3 times the square of k minus 9 $3k^2 - 9$

6) 4 divides the difference of t and 3 $\frac{7t - 3}{4}$

7) Subtract the square of v from 2 $2^3 - v^2$

8) Add three-fifths to twice the square of h $2h^2 + \frac{3}{5}$

9) The sum of g and 1 raised to the fifth power is added to 6 $6 + (g + 1)^5$

10) Add 16 to twice the cube of d $16 + 2d^3$

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