

Name : _____

Translating Phrases: Single-Variable

DS3

Translate each verbal phrase into an algebraic expression.

1) 4 multiplied by the cube of t is reduced by 5

2) The sum of 10 and twice the square of j

3) 2 divides the
to the fourth

4) The square of

5) The cube of

6) The cube of

7) n raised to the

8) The square of difference between p and 5

9) 2 diminished by c raised to the power of six

10) 3 multiplied by the cube of m less than 14

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Answer Key

DS3

Translating Phrases: Single-Variable

Translate each verbal phrase into an algebraic expression.

1) 4 multiplied by the cube of t is reduced by 5 $4t^3 - 5$

2) The sum of 10 and twice the square of j $10 + 2j^2$

3) 2 divides the difference of 8 and r^4 to the fourth power $\frac{8 - r^4}{2}$

4) The square of 6 plus b^2 $6 + b^2$

5) The cube of $\frac{2}{9}$ minus f^3 $\frac{2}{9} - f^3$

6) The cube of $x + 2$ $(x + 2)^3$

7) n^7 plus $\frac{1}{2}$ $n^7 + \frac{1}{2}$

8) The square of difference between p and 5 $(p - 5)^2$

9) 2 diminished by c raised to the power of six $2 - c^6$

10) 3 multiplied by the cube of m less than 14 $14 - 3m^3$

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