

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

## Translating Phrases: Multi-Variable

MS1

Translate each verbal phrase into an algebraic expression.

1) One-quarter of  $c$ , added to the square of  $b$

\_\_\_\_\_

2) Subtract 12 from the square of sum of  $w$  and  $v$

\_\_\_\_\_

3) One-half of

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\_\_\_\_\_

4)  $m$  plus  $n$ , di

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\_\_\_\_\_

5) The differer  
one-quarte

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\_\_\_\_\_

6) Multiply the

\_\_\_\_\_

7) Add  $v$  and 4

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8) Add  $z$  to the ratio of power 3 of  $y$  to 5

\_\_\_\_\_

9) Twice of  $p$  multiplied by  $q$ , reduced by 5 times  $r$

\_\_\_\_\_

10) The cube of difference between  $j$  and  $k$

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## Answer Key

### Translating Phrases: Multi-Variable

MS1

Translate each verbal phrase into an algebraic expression.

- |   |                             |
|---|-----------------------------|
| 1) One-quarter of c, added to the square of b       | $\frac{1}{4}c + b^2$        |
| 2) Subtract 12 from the square of sum of w and v    | $(w + v)^2 - 12$            |
| 3) One-half of                                      | $\frac{1}{2}(x + 2y)$       |
| 4) m plus n, di                                     | $\frac{m + n}{5}$           |
| 5) The differer<br>one-quarte                       | $\frac{p}{q} - \frac{1}{4}$ |
| 6) Multiply the                                     | $b^2cd^3$                   |
| 7) Add v and 4                                      | $v + 4w^2$                  |
| 8) Add z to the ratio of power 3 of y to 5          | $\frac{y^3}{5} + z$         |
| 9) Twice of p multiplied by q, reduced by 5 times r | $2pq - 5r$                  |
| 10) The cube of difference between j and k          | $(j - k)^3$                 |

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