

Name : _____

Translating Phrases: Multi-Variable

MS2

Translate each verbal phrase into an algebraic expression.

1) Difference between the thrice of x and y times z multiplied by eight

2) Total of six and p divides q

3) One-half of

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4) Sum of c and

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5) Three-fifths

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6) Product of r

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7) Two-fifths in

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8) Ratio of b and c to three is reduced by twenty-five

9) Doubled s multiplied by the cube of t added to ten

10) Difference between r divides p and one-half of q

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Answer Key

Translating Phrases: Multi-Variable

MS2

Translate each verbal phrase into an algebraic expression.

- 1) Difference between the thrice of x and y times z multiplied by eight

$$\underline{8(3x - yz)}$$

- 2) Total of six and p divides q

$$\underline{\frac{q}{6 + p}}$$

- 3) One-half of

$$\underline{\frac{n}{2} + 4m^2}$$

- 4) Sum of c and

$$\underline{(c + b + 1)^2}$$

- 5) Three-fifths

$$\underline{\frac{3}{5}g - \frac{1}{4}h}$$

- 6) Product of r

$$\underline{rs + 4t - 12}$$

- 7) Two-fifths in

$$\underline{\frac{2}{5} + 7yz}$$

- 8) Ratio of b and c to three is reduced by twenty-five

$$\underline{\frac{bc}{3} - 25}$$

- 9) Doubled s multiplied by the cube of t added to ten

$$\underline{2st^3 + 10}$$

- 10) Difference between r divides p and one-half of q

$$\underline{\frac{p}{r} - \frac{q}{2}}$$

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