

Name : _____

Translating Phrases

MS3

Translate each verbal phrase into an algebraic equation or inequality.

1) Add the square of x and difference between the cube of y and z is greater than 2

2) Ratio of h to g added to 2 is same as 14

3) Total of the cube

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4) Product of p, q and

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5) A quarter of the

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6) n divided by three

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7) Ratio of 5 times

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8) Quotient of s and the square of t is greater than or equal to 26

9) e divided by 3 increased by 1 gives 5

10) Sum of twice f and 6 is not equal to 16

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Answer Key

Translating Phrases

MS3

Translate each verbal phrase into an algebraic equation or inequality.

- 1) Add the square of x and difference between the cube of y and z is greater than 2

$$\underline{x^2 + (y^3 - z) > 2}$$

- 2) Ratio of h to g added to 2 is same as 14

$$\underline{\frac{h}{g} + 2 = 14}$$

- 3) Total of the cube of c and 1 is less than 25

$$\underline{c^3 + 1 < 25}$$

- 4) Product of p, q and r is not equal to 3/5

$$\underline{pqr^2 \neq \frac{3}{5}}$$

- 5) A quarter of the square of k minus j is less than or equal to 10

$$\underline{\frac{k^2}{4} - j \leq 10}$$

- 6) n divided by three minus 2 is greater than 6

$$\underline{\frac{n}{3m} - 2 > 6}$$

- 7) Ratio of 5 times t minus 9 to 7 is equal to 21

$$\underline{\frac{5t - 9}{7} = 21}$$

- 8) Quotient of s and the square of t is greater than or equal to 26

$$\underline{\frac{s}{t^2} \geq 26}$$

- 9) e divided by 3 increased by 1 gives 5

$$\underline{\frac{e}{3} + 1 = 5}$$

- 10) Sum of twice f and 6 is not equal to 16

$$\underline{2f + 6 \neq 16}$$

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