Name : _____

MS2

Translating Phrases

Translate each verbal phrase into an algebraic equation or inequality.

1) Multiplying the cube of x, the square of y and z gives 32 _____

2) Ratio of the sum of the square of t and 16 to 2 is lesser than 6 _____

3) Subtract one-fif
equal to 11 _____

4) Six-sevenths of _____

5) Total of 9 times _____

6) Add 8 times j ar _____

7) Difference betw
not equal to 24 _____

8) Product of 7 and the cube of v is equal to 56 _____

9) Two-sevenths of m increased by n is lesser than equal to 29 _____

10) Quotient of the difference between 6 and doubled d and 5 is greater than 2 _____

Name : _____

Answer Key

Translating Phrases

MS2

Translate each verbal phrase into an algebraic equation or inequality.

1) Multiplying the cube of x, the square of y and z gives 32 — $x^3y^2z = 32$

2) Ratio of the sum of the square of t and 16 to 2 is lesser than 6 — $\frac{t^2 + 16}{2} < 6$

3) Subtract one-fif… equal to 11 — $4w^2 - \frac{1}{5} \neq 11$

4) Six-sevenths of … — $\frac{6h}{7} - g \geq 3$

5) Total of 9 times … — $9p^3 + q > 17$

6) Add 8 times j ar… — $8j + \frac{1}{3} < 2$

7) Difference betw… not equal to 24 — $13 - 11b^2 \neq 24$

8) Product of 7 and the cube of v is equal to 56 — $7v^3 = 56$

9) Two-sevenths of m increased by n is lesser than equal to 29 — $\frac{2}{7}m + n \leq 29$

10) Quotient of the difference between 6 and doubled d and 5 is greater than 2 — $\frac{6 - 2d}{5} > 2$