

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

## Translating Phrases

ES3

Translate each verbal phrase into an algebraic equation or inequality.

1)  $g$  minus 11 is greater than 35

\_\_\_\_\_

2) The cube of  $j$  increased by 5 is equal to 14

\_\_\_\_\_

3) Total of  $n$  and

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\_\_\_\_\_

4)  $p$  diminished  
or equal to

\_\_\_\_\_

5) Sum of 6 and

\_\_\_\_\_

6) Eight times

\_\_\_\_\_

7) Ratio of the  
to 5 is greater

\_\_\_\_\_

8) Four times the square of  $m$  is at most 10

\_\_\_\_\_

9) Quotient of  $n$  and 7 is not equal to 5

\_\_\_\_\_

10) Difference between 12 and 9 times  $r$  is lesser than 2

\_\_\_\_\_

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

## Answer Key

### Translating Phrases

ES3

Translate each verbal phrase into an algebraic equation or inequality.

1) g minus 11 is greater than 35

$$\underline{g - 11 > 35}$$

2) The cube of j increased by 5 is equal to 14

$$\underline{j^3 + 5 = 14}$$

3) Total of n and

$$\underline{n + \frac{1}{4} < 2}$$

4) p diminished  
or equal to

$$\underline{p - qr \geq 25}$$

5) Sum of 6 and

$$\underline{\frac{x}{3} + 6 \neq 5}$$

6) Eight times

$$\underline{8t = 32}$$

7) Ratio of the  
to 5 is greater

$$\underline{\frac{7 - 4c}{5} > 3}$$

8) Four times the square of m is at most 16

$$\underline{4m^2 \leq 16}$$

9) Quotient of n and 7 is not equal to 5

$$\underline{\frac{n}{7} \neq 5}$$

10) Difference between 12 and 9 times r is lesser than 2

$$\underline{12 - 9r < 2}$$

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