

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

## Translating Phrases: Multi-Step Equations

Sheet 3

Translate each verbal phrase into an algebraic equation.

1) 54 minus 9 times d gives 18

\_\_\_\_\_

2) 7 magnified by the product of 5 and b plus 2 is forty-nine

\_\_\_\_\_

3) Four-fifths of n

\_\_\_\_\_

4) m diminished k

\_\_\_\_\_

5) Difference betw

\_\_\_\_\_

6) Sum of one-qu

\_\_\_\_\_

7) Quotient of sur

\_\_\_\_\_

8) Volume of 4 an  
represents 8

\_\_\_\_\_

9) 2 plus five-sevenths of x gives 27

\_\_\_\_\_

10) 29 minus k decreased by the factor of 6 are three

\_\_\_\_\_

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## Answer Key

Sheet 3

### Translating Phrases: Multi-Step Equations

Translate each verbal phrase into an algebraic equation.

1) 54 minus 9 times d gives 18

$$\underline{54 - 9d = 18}$$

2) 7 magnified by the product of 5 and b plus 2 is forty-nine

$$\underline{7(5b + 2) = 49}$$

3) Four-fifths of n

$$\underline{\frac{4n}{5} - 15 = 1}$$

4) m diminished by

$$\underline{m - \frac{5m}{7} = 14}$$

5) Difference between

$$\underline{8 - 2h = 4}$$

6) Sum of one-quarter

$$\underline{\frac{t}{4} + 10 = 16}$$

7) Quotient of sur

$$\underline{\frac{6t + 2}{5} = 4}$$

8) Volume of 4 an  
represents 8

$$\underline{4(5q - 13) = 8}$$

9) 2 plus five-sevenths of x gives 27

$$\underline{2 + \frac{5x}{7} = 27}$$

10) 29 minus k decreased by the factor of 6 are three

$$\underline{\frac{29 - k}{6} = 3}$$

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