

Name: _____

Date: _____ Score: _____

Translating Words into Algebraic Expressions

Translate each verbal phrase into an algebraic expression.

1. The sum of the ratio of y to 6 and 4

2. The difference between one-eighth and r

3. The ratio of the difference between 9 times x and 24 to 6

4. The product of 6 and the sum of 9 times x and one-sixth

5. The sum of one-fifth and thrice of y

6. 5 times the difference between seven times x and four

7. The product of one-sixth and double of y minus one-half

8. The ratio of difference between thrice of x and 6 to 5

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Answers

1. The sum of the ratio of y to 6 and 4
$$\frac{y}{6} + 4$$
2. The difference between one-eighth and r
$$\frac{1}{8} - r$$
3. The ratio of the difference between 9 times x and 24 to 6
$$\frac{9x - 24}{6}$$
4. The product of 6 and the sum of 9 times x and one-sixth
$$6\left(9x + \frac{1}{6}\right)$$
5. The sum of one-fifth and thrice of y
$$\frac{1}{5} + 3y$$
6. 5 times the difference between seven times x and four
$$5(7x - 4)$$
7. The product of one-sixth and double of y minus one-half
$$\frac{1}{6}\left(2y - \frac{1}{2}\right)$$
8. The ratio of difference between thrice of x and 6 to 5
$$\frac{3x - 6}{5}$$