

Algebra II

1-8

Words into Symbols

Synonyms

Add - increased, plus, combined, **sum**, more, greater, total, together

Subtract - decreased, minus, take away, less, **difference**

Multiply - times, **product**, of

Divide - into, **quotient**, over, per, ratio

Equal - is, the same as

parentheses - quantity

Oral Exercises (pg 45)

Represent each word phrase by an algebraic expression.

1) Five more than a number

$$x+5$$

2) Ten less than a number

$$x-10$$

3) One less than twice a number

$$2x-1$$

4) The difference between a number and six.

$$x-6$$

5) Seven more than half a number

$$\frac{1}{2}x+7$$

6) The sum of a number and its reciprocal

$$x + \frac{1}{x}$$

7) One more than the square of a number

$$x^2 + 1$$

8) The square of one more than a number

$$(x+1)^2$$

9) The reciprocal of two more than a number

↳ one over

$$\frac{1}{x+2}$$

10) Two more than the reciprocal of a number

$$\frac{1}{x} + 2$$