

## Prealgebra ~ Lesson 18

Work the following examples as you listen to the recorded lecture.

### Linear Equations in One Variable and Problem Solving

**Hint: Use the Translation notes from Lesson 3 to help with these problems.**

Write the following sentences as equations:

Example 1: Five subtracted from a number equals 10.

Example 2: The quotient of 8 and a number is -2.

Example 3: Five times a number is equal to -75.

Example 4: Twice the sum of -17 and a number is -14.

Example 5: Twice a number, subtracted from 60 is 20.

Example 6: The sum of 7, 9, and a number is 40.

Example 7: Eight decreased by a number equals the quotient of 15 and 5.

Example 8: Five times the sum of a number and 2 is 11 less than the number times 8.

Example 9: Seven times the difference of some number and 1 gives the quotient of 70 and 10.

Example 10: Twice a number equals 25 less triple that same number.