Unit 2 Study Guide
Algebraic Expressions

Write a variable expression that represents each phrase.

1) Five more than a number x

$$5 + x$$

2) Twice as old as Lily

$$2 \cdot x$$

3) A dinner bill of *d* dollars divided among 5 friends

$$\frac{d}{5}$$

4) Twelve fewer apples on the tree than yesterday

$$x - 12$$

Application: Write an equation that represents each problem.

1) Four more than a number *m* is 5.

$$4 + m = 5$$

2) Sixty-three is 7 times a number *n*.

$$63 = 7 \cdot n$$

3) A number *a* divided by 6 is 12.

$$\frac{a}{6} = 12$$

4) Eight less than a number is 14.

$$x - 8 = 14$$

Writing Word Phrases

7) Write three different word phrases for **x + 2**

a) two more than a number x

b) two added to a number x

c) A number increased by two