***Notes for 1.3 Solving Equations Examples***

A. Write an algebraic expression to represent the verbal expression 7 less than a number.

B. Write an algebraic expression to represent the verbal expression the square of a number

decreased by the product of 5 and the number.

C. Write an algebraic expression to represent the verbal expression 6 more than a number.

D. Write an algebraic expression to represent the verbal expression 2 less than the cube of a

number.

E. Write a verbal sentence to represent 6 = –5 + x.

F. Write a verbal sentence to represent 7y – 2 = 19.

G. What is a verbal sentence that represents the equation n – 3 = 7?

H. GEOMETRY The formula for the surface area *S* of a cone is where  is the slant

height of the cone and *r* is the radius of the base. Solve the formula for .

I. The formula for the perimeter of a rectangle is where *P* is the perimeter, is the

length and *w* is the width of the rectangle. Solve the formula for *w* ?