MAT0028 ~ Lesson 3

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

Exponents, Order of Operations, Variable Expressions, Equations

Example 1: $2^5 =$

Example 2: $1^{99} =$

Example 3: $(\frac{6}{11})^2$

Example 4: 0.03^3

Example 5: $6 - 2 \cdot 2 + 2^5$

Example 6: $3[4 + 3(6 - 4)]$

Example 7: $\frac{16+|13-5|+4^2}{17-5}$

Example 8: (y=8, z=4, x=12)

$$\frac{y^2+x}{x^2+3y}$$

Translate:

Example 9: The product of 8 and a number, decreased by 10.

Example 10: Four subtracted from 8 equals two squared.

Example 11: The difference of 16 and 4 is greater than 10.

Example 12: The sum of 8 and twice a number is 42.

Expression: _____

Equation: _____