

## COMM 220 – MATH REVIEW QUIZ

**OBJECTIVE:** In order to do well in this course, you need to be able to solve algebraic problems. This quiz is intended to “test” your competence in math. This review will prepare you for the math required in this course. MATH IS FUN!

1.  $X^0 =$
2.  $0^n =$
3.  $X^{1/2} =$
4.  $X^{1/2} + X^{1/2} =$
5.  $X^5 - X^2 =$
6.  $(X^3)(X^2) =$
7.  $(X) / (X^{1/3}) =$
8.  $(X^2)^3 =$
9.  $(XY)^2 =$
10.  $(X/Y)^3 =$
11.  $\frac{(X/Y)^2}{X^2} =$
12.  $X^{-2} =$
13.  $(-X^2)(-X^{-2}) =$
14.  $\sqrt{X^2 + Y^2} =$
15.  $\sqrt{X^2} + \sqrt{Y^2} =$
16.  $(3X^2Y) / (6X^3Y^3) =$
17.  $(3X^{-0.5}Y^{0.5}) / (3X^{0.5}Y^{-0.5}) =$
18.  $(X^2)(Y^2) = Z^2$ ;  $Y =$
19.  $2X + 2Y = 4Z$ ;  $X =$
20.  $1/X = 1/Y$ ;  $X =$
21.  $\frac{X+3}{3} - \frac{2X-4}{4} = 1$ ;  $X =$
22.  $Z = aX^2 + bX + c$ ;  $X =$
23.  $X = 100 + 2Y$  and  $Y = 10 - X$ ;  $X =$  and  $Y =$
24. 

Time	X
1	100
2	120

 $\Delta X =$  and  $\% \Delta X =$