Assignment 0

Please type your responses into a word document, and submit that on UNM Learn. Be sure to number your responses 1, 2(a), etc. so I know which question you're answering. You are welcome to discuss these questions (but don't share answers) with your classmates and myself on UNM Learn, as well as any chapter content, under the discussion threads. You can include pictures by copy and pasting them into word. Please show all work for partial credit.

1. *Calculate the following (fully simplify your answer):*

    (a) 2^3

    (b) 4^2

    (c) $3(2+1)^2$

    (d) $\sqrt{25}$

    (e) $\log_{10}(1000000)$ *(don't use a calculator!)*

    (f) $\frac{2}{3} + \frac{5}{3}$

    (g) $\frac{2}{3} + \frac{1}{2}$

    (h) $\frac{1/3}{8/6}$

2. *Isolate x.*

    (a) $2x + 2 = 0$

    (b) $(2x+4)^2 = 4x^2$

3. *Simplify (you'll end up with letters, not a number):*

    (a) $(a+b)^2$

    (b) $\log_a(a^n)$

    (c) $(a-b)(2a+b)$

4. *Cynthia has eaten three slices of an eight-slice pizza. What percentage of the pizza has she eaten?*

5. *How many radians are in one arcminute?*