MA 224 - Quiz 1 Practice Problems

Feel free to work on these with classmates. These are just practice problems to help you guage how comfortable you are with the material—completely optional. The quiz will not be this long.

1. Who do you contact if Connect won't accept the correct answer on a home-work problem?

   (hint: the answer is "the connect coordinator")

2. How many quiz grades are dropped at the end of the semester?

3. What days/times is your instructor (me, Kyle) in the Math Help Room, 211?

   (hint: the answer is on my homepage, which I emailed to you)

4. Find the following derivatives:

   (a)
   $$\frac{d}{dx}\left[e^{3x+1}(10 + \sqrt{2x})\right]$$

   (b)
   $$\frac{d}{dx}\left[\frac{x^2}{\sqrt{x^2 - 2x + 3}}\right]$$

   (c)
   $$\frac{d}{dx}\left[\ln(x) \cdot x^2 \cdot e^x\right]$$

   (d)
   $$\frac{d}{dx}\left[\frac{2}{x} - \frac{1}{2x^2} + \frac{x+1}{x^3}\right]$$