

Name: _____

EE322 Fall 2008 Quiz 03

Use MATLAB to find ALL answers below. Write the command(s) you used to find them.

1. e^3

2. $\tan^{-1}(0)$

3. $\sin(30^\circ)$

4. $x^6 + x^3 + 15.345$, if $x = -2.82$.

5. if $t = 0:0.02:7$, and $x = 2t - 5$, what is the 17th value of the x vector?

6. $|4 - j3.3|$ (find the magnitude)

7. If you create a time vector that starts at time -3, and ends at time 6, with a step size of 1/47, how many elements will there be in the time vector?

8.
$$\sum_{x=0}^{x=20} (-x)^3$$

9. Multiply: $10 + j2.86$ by $10 - j2.86$.

10. $\sqrt[5]{4.556}$

Bonus: What was the last name of the Russian Royal family (the Tsar's family) that was executed after the Russian Revolution of 1917?