

1) This packet contains problems that are prerequisites for the study of calculus. All of these topics are reviewed in the first chapter of your text book. Use the link below to access Chapter 1. The specific problems are listed at the bottom.

[Calculus FDWK Chapter 1: Prerequisites for Calculus](#)

- 2) You should be capable of doing all of these problems WITHOUT A CALCULATOR. Additional problems requiring use of a calculator will be assigned when we return.
- 3) This assignment is optional but alerts you to the skills you will need to be successful in calculus next year. Review that sections of the textbook as needed.
- 4) You should do these problems showing all work in a neat, organized manner. Graphs should be done accurately (scale and points labeled, etc.). Accurate notation and clear presentation of your thinking is critical to scoring well on the free – response questions on the exam. Start now.
- 5) Helping each other to understand the concepts and material is acceptable and encouraged. However, you are the one who needs to make sure you understand the material. We will do group work in class and you will have access to answers, but the expectation is that you will be responsible for understanding the content. Check your answers for each problem and then make sure that you correct any mistakes. [Chapter 1 answers](#)
- 6) Do not leave the assignment till right before school starts, take the time to work through it over the summer and review sections of Chapter 1 as needed.
- 7) You will be assigned a TI-83+ or TI-84 when you return to school, unless you already have your own. If you are planning to take math courses in college (you are planning to, aren't you?), you might consider buying an 84 over the summer.

The problems:

Section 1.1: (p. 9-11) # 1, 6, 8, 11, 14, 20, 24, 25, 29, 32, 36, 38, 55.

Section 1.2: (p. 19-21) # 2, 5, 9, 11, 14, 16, 17, 18, 25, 27, 29, 34, 41, 43, 44.

(When it indicates to use a graphing device, do not. You should be able to analyze and graph without a graphing device.)

Section 1.3: (p. 26-27) # 3, 6, 15, 18, 35.

Section 1.5: (p. 44-45) # 3, 6, 12, 15, 18, 21, 24, 35, 38, 43.

Section 1.6: (p. 52-54) # 12, 18, 21, 33, 36, 37, 40, 42, 46.

If you have any questions, please see one of us. I'll be checking e-mail over the summer if you have questions during that time. Have fun!!