**TRS 82 Day 12 Homework**

**Thinking Ahead About Percentages** – You should understand these questions fully before the next class. Check your answers with the key on your instructor’s website. You can get help with this work from the following sources:

**Convert #1-4 to decimals. Convert #5-8 to percents.**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. 26% = .26 | 1. 1.87%=0.0187 | 1. 321%=3.21 | 1. .0097%=0.000097 |
| 1. .74=74% | 1. .0023=0.23% | 1. 12=1200% | 1. 3=300% |

**For each situation, select the best estimate from below. Answers may be used more than once.**

|  |  |  |  |
| --- | --- | --- | --- |
| < 1% | Between 1% and 50% | Between 50% and 100% | >100% |

1. Three students as a percentage of the students in your math class. *Between 1 -- 50%*
2. Three students as a percentage of the students at Fort Lewis. *<1%*
3. Three students as a percentage of the starting basketball team (5 players).*Between 50-100%*
4. The percentage of wins of a team with a winning season. *Between 50 – 100%*
5. The percentage of your salary after a raise compared to before the raise. *>100%*
6. One day as a percentage of the week. *Between 1 and 50%*
7. A normal child’s height at age 5 compared to age 3. *>100%*
8. One gallon of gas as a percentage of all the gas used in Colorado in a year*.<1%*