TRS 82 –Day 6 Homework

**Thinking Ahead about Equivalent Fractions and Decimals**

To prepare for your next class, you should fully understand the following questions. You should check your answers with the answer key posted on your instructor’s website to make sure you are correct.

You can get help with this work from the following sources:

1. Visit your instructor during office hours
2. Go to the Algebra Alcove
3. Use the following resources on the Internet:

For Equivalent Fractions

* YouTube video: <http://www.youtube.com/watch?v=U2ovEuEUxXQ>
* Website: <http://www.mathsisfun.com/equivalent_fractions.html>

For Converting Fractions and Decimals

* YouTube video: <http://www.5min.com/Video/Learn-about-Converting-fractions-to-decimals-99165862>
* Website: <http://cstl.syr.edu/FIPSE/Decunit/convert/Convert.htm>

For Converting Mixed Numbers and Improper Fractions

* YouTube video: <http://www.youtube.com/watch?v=1xuf6ZKF1_I>
* Website: <http://www.mathsisfun.com/improper-fractions.html>
1. Write three fractions equivalent to $\frac{3}{5}$. 
2. Reduce $\frac{20}{8}$ to lowest terms. 
3. Fill in the blanks to make the statements true.

$\frac{5}{7}=\frac{}{56}$ ; 40 $\frac{3}{}=\frac{24}{64}$; 8

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| 1. Convert the following fractions to decimals:

$\frac{4}{5}=$ 0.8 $\frac{2}{9}=$0.222 | 1. Convert the following decimals to fractions in lowest terms:

.24 =  .70 = |
| 1. Convert the following mixed numbers to improper fractions:

$2\frac{2}{3}=$  $1\frac{7}{8}$ = | 1. Convert the following improper fractions to mixed numbers:

$\frac{15}{4}=$  $\frac{7}{3}=$   |