TRS 92 Day 3 Homework

TRS 92 Homework: Unit Analysis and Foundational Skills Review

Foundational Skills Review: Order of Operations and Percent

Because this material is Foundational Skills review, it will not be covered in class. It is expected that you will get help outside of class if you need it. You should check your answers (for this section) with the answer key posted on your instructor's website to make sure your work is 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:

Order of operations:	Adding and subtracting negative and positive
Beginning:	numbers:
http://www.khanacademy.org/video/order-of-	http://www.youtube.com/watch?v=C38B33Zyw
operations?playlist=Developmental%20Math	Ws&feature=youtube_gdata
Advanced:	http://www.purplemath.com/modules/negative2
http://www.khanacademy.org/video/order-of-	<u>.htm</u>
operations-2?playlist=Developmental%20Math	

Simplify the following expressions <u>without using a calculator</u>. Note that fractional answers are acceptable as long as they are in lowest terms.

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1. $\frac{4-6(3+2)}{-5}$	2. $-8+3 \cdot 6-4^2$	$3. \frac{3(-6)-9}{5^2-34}$
	2	
4. -3^2	$5. (-3)^2$	6. $-40 - (-5) + (-2)(-3)$

Internet resources on percents:

- http://www.khanacademy.org/video/solving-percent-problems?playlist=Developmental%20Math
- http://www.khanacademy.org/video/solving-percent-problems-2?playlist=Developmental%20Math
- http://www.khanacademy.org/video/solving-percent-problems-3?playlist=Developmental%20Math

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Calculators may be used on the following problems.

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7. Write 32% as a decimal.	8. Write 1.25% as a decimal.
9. Write 115% as a decimal.	10. Write 2.035 as a percent.
11. Find 83% of 680.	12. 45 is what percent of 70? Round the percent to the nearest tenth.
13. 54 is 30% of what?	14. Convert the following fractions to percentages: $ \frac{1}{4} = \frac{1}{10} = \frac{1}{10} = \frac{1}{3} = \frac{3}{4} =$