## EXS 201 Statistics in Exercise Science

Practic	e Problems	Name
<u>Directions</u> : <b>Diagram each</b> of the problems below on a normal curve. Then show <i>all</i> the calculations used to arrive at the answers and be sure to <b>circle</b> them. Please express your answers out to two decimal places.		
1.	What percent of the scores fall between z-scores of -2.03 a	and 1.47?
2.	What z-score is equivalent to the 15th percentile $(P_{15})$ ?	
3.	Above what T-score do 9% of the scores lie?	
4.	What percent of the scores lie less than (within) .75 standa	ard deviations of the mean?
5.	You would like to award special fitness awards to all clien physical fitness assessment. "Ironman/woman" awards wi cumulative fitness T-score is above 70. "Superman/woman T-scores between 55 and 70. And "I am Fit" awards will g between 45 and 55. Illustrate and label these areas on your combined total is a <i>raw score</i> of 73, what award will she g with the standard deviation was 6.	Il be given to those whose n" awards will go to those with go to everyone with T-scores normal curve. If Lucy's