

## Answers

### Percentile RANK & Trimmed Means

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1. a) F b) F c) T d) T  
e) T f) F g) T h) T

2. a) RANK = 1  
OR  $P_1$  b) 54 or  $P_{54}$ .

3. a). ~~77~~ 25% b). 75th Place  
 $P_{75}$

c). No. She just missed the cutoff.  
Her rank is 75. She needed a  
rank of 80 to be in top 20%

4. a).  $P_{86}$ ; Rank = 86 b)  $\approx 14\%$  have a  
better mark.

5. a) 20% b). 25%

c). 40% d). 25% of 4000 = 1,000

e). Median =  $P_{50} = 61$

6. Depends on how he compares with all the others. We do not know his rank so cannot determine whether he will be accepted! An 87% grade for a course sounds good; but there MAY be a lot of even "smarter" student applying.

7. 48.33

8. 83.47%