Section 2.4-2.5 Self-Test

1) If the standard deviation is equal to 4, then the variance is:

	16 64									
2) Question	ns 14-16 ar	e based on t	ne data set :	1	3	4	5	6	11	
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6) The average amount of time a biology homework assignment t	takes is approximately normally distributed
with a mean of 21 minutes and a standard deviation of 6 minutes.	. What z-score would a student finishing in 18
minutes have?	

- a) -2
- b) -0.5
- c) 0.5
- d) 0.57
- e) 2
- 7) Physics classes are notorious for having very low grades on their exams (that get curved at the end of the semester). The first exam's scores in one semester were approximately normally distributed with a mean of 40 and a standard deviation of 10. The second exam's scores were approximately normally distributed with a mean of 30 and a standard deviation of 5. Use the z-scores to determine which would be a better score, a 50 on exam 1 or a 40 on exam 2?
 - a) 50 on exam 1
 - b) 40 on exam 2
 - c) The two scores are equivalent