

### Variability Questions

1. For the following sample of scores, calculate: (a) range, (b) SS, (c)  $s^2$ , (d)  $s$   
3, 5, 8, 4, 10, 6
2. For the following population of scores, calculate: (a) range, (b) SS, (c)  $\sigma^2$  (d)  $\sigma$   
10, 15, 25, 30, 45, 55
3. For the following sample of scores, calculate: (a) range, (b) SS, (c)  $s^2$ , (d)  $s$   
5, 8, 7, 7, 10, 4, 11
4. For the following population of scores, calculate: (a) range, (b) SS, (c)  $\sigma^2$  (d)  $\sigma$   
21, 23, 25, 19, 27

answers:

1. a)  $R = 8$   
b)  $SS = 34$   
c)  $s^2 = 6.8$   
d)  $s = 2.61$
2. a)  $R = 46$   
b)  $SS = 1500$   
c)  $\sigma^2 = 250$   
d)  $\sigma = 15.81$
3. a)  $R = 8$   
b)  $SS = 37.74$   
c)  $s^2 = 6.29$   
d)  $s = 2.51$
4. a)  $R = 9$   
b)  $SS = 40$   
c)  $\sigma^2 = 8$   
d)  $\sigma = 2.83$