CHECKING YOUR PROGRESS: A SELF-TEST

1. Match the following:

_____	z	**a.**	symbol for the population standard deviation
_____	s	**b.**	average amount that each score in a distribution deviates from the
_____	s^2		distribution's mean
_____	σ^2	**c.**	symbol for a standard score
_____	AD	**d.**	symbol for population variance
_____	SS	**e.**	numerator of the equation for variance
_____	R	**f.**	symbol for sample variance
		g.	symbol for sample standard deviation
		h.	symbol for the range of a set of scores

2. What does the size of a z score indicate?

3. What does the sign of a z score indicate?

4. Family size was surveyed in a large sociology class, and the results were as follows:

X	f
13	1
10	1
7	4
6	6
5	12
4	26
3	12
2	8

   a. Find R, s^2, and s.

   b. What is the z score for 6? 3?

   c. What score is 1.5 standard deviation units above the mean? What score is 2 standard deviation units below the mean?