**Post Test Answers Ch. 12 Review**

1. 11.66
2. (-2, -2) and (3,1)

b. Vertical translation changes only the y-coordinates, not the x-coordinates.

c. The length of the pre-image and the image are the same.

3. Construction

4. Midpoint is (5,1)

5. The lengths of PR and RQ are the same. The midpoint divides the line segment into two equal parts.

6. b. Horizontal changes only the x-coordinate, not the y.

 c. construction

7a. y = -2x +1 is one example. Slopes must be the same.

b. y = ½ x + 1 is one example. Slopes must be opposite reciprocals.

8. Construction

Multiple Choice: 1) B 2) A 3) C 4) A