Section 3.2   Focus Exercise Answers

1.   Let x = the number of points on his second test.

2.   Let x = the number of points he will need on his third test.

3.   Let x = his average rate of speed for the journey.

4.   Let x = the width of the garden.

5.   Let x = the amount he received from his McDonald's stock;
       x + 10,000 = the amount he received from his Pepsi stock.

6.   Let x = the amount Phyllis will receive;
       $\frac{2}{3}$ x = the amount Larry will receive.

7.   Let x = the measure of the middle angle;
       $\frac{1}{4}$ x = the measure of the smallest angle.

8.   Let x = her first test score;
       x + 12 = her second test score.

9.   Let x = the length of the vertical piece;
       $\frac{1}{3}$ x = the length of the cross piece.

10.   Let x = the amount Nancy receives;
       x + 10,000 = the amount Janet receives;
       2(x + 10,000) = the amount Jolene receives.

11.   Let x = the measure the smallest angle;
          2x = the measure the largest angle;
       x + 20 = the measure the middle angle.

12.   Let x = the measure the smallest angle;
          3x = the measure the largest angle;
       3x – 30 = the measure the middle angle.