Chapter 7 Practice Test 1

Name _____

Find the value of n in the proportions below.

_____ 1. $\frac{n}{4}=\frac{7}{5}$

_____ 2. $\frac{3}{4}=\frac{9}{n}$

_____ 3. $\frac{3}{9}=\frac{n}{6}$

_____ 4. $\frac{n+1}{9}=\frac{4}{6}$

_____ 5. $\frac{4}{n+2}=\frac{9}{2n+3}$

_____ 6. $\frac{1}{2}=\frac{n}{9}$

Find the value of x in the triangles below knowing that the two horizontal lines are parallel.

Figure 1

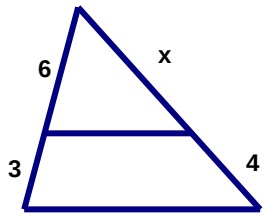

Figure 2

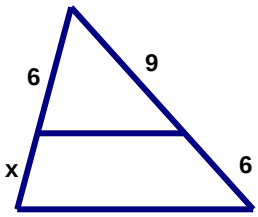

Figure 3

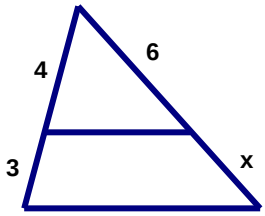

Figure 4

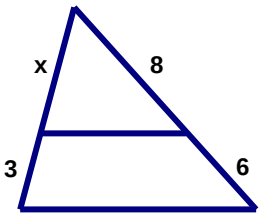

Figure 5

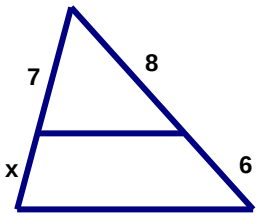

Figure 6

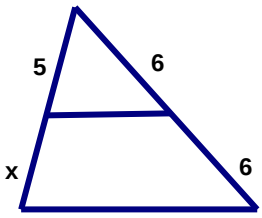

Figure 1: x value is _____.

Figure 2: x value is _____.

Figure 3: x value is _____.

Figure 4: x value is _____.

Figure 5: x value is _____.

Figure 6: x value is _____.

Figure 7

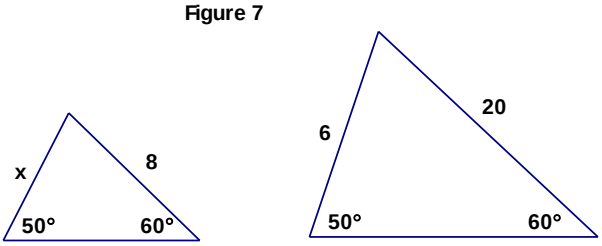

Figure 8

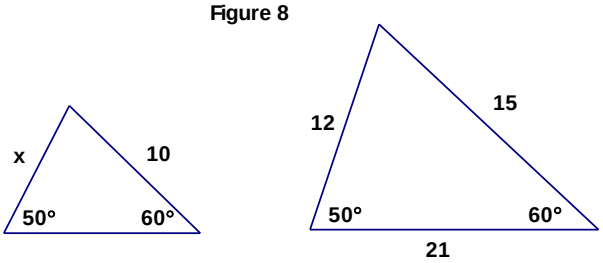

Figure 9

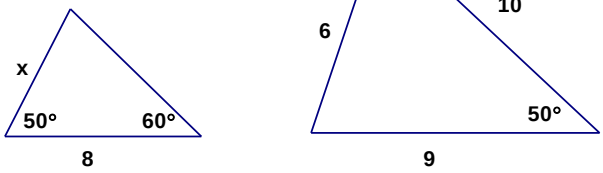

Figure 10

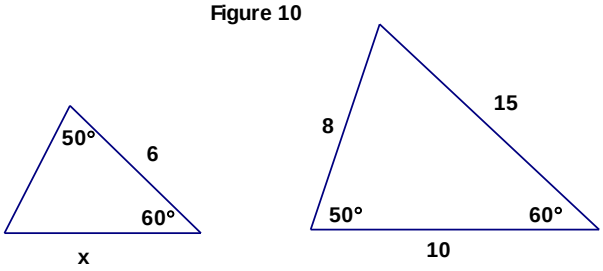

Figure 11

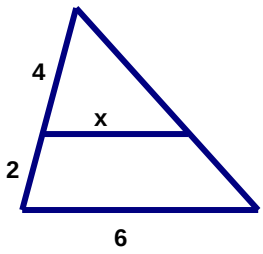

Figure 12

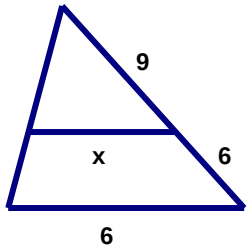

Figure 13

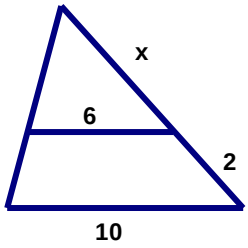

Figure 14

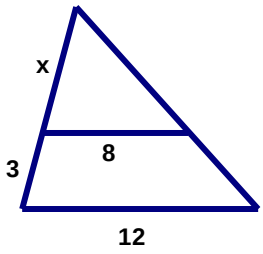

Figure 15

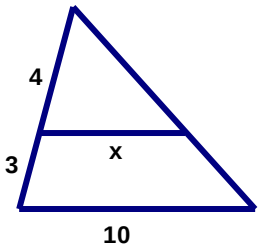

Figure 16

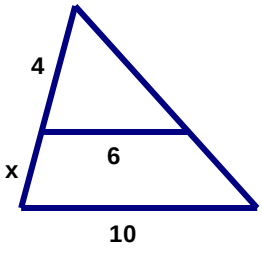

Figure 7: x value is _____.

Figure 8: x value is _____.

Figure 9: x value is _____.

Figure 10: x value is _____.

Figure 11: x value is _____.

Figure 12: x value is _____.

Figure 13: x value is _____.

Figure 14: x value is _____.

Figure 15: x value is _____.

Figure 16: x value is _____.

Figure 17

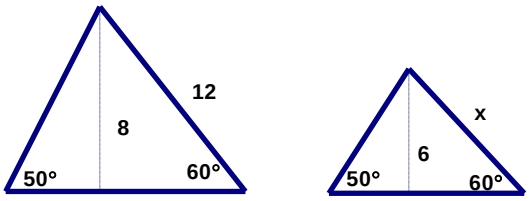

Figure 18

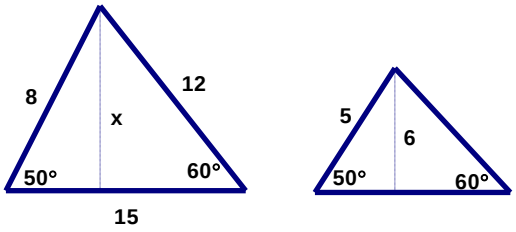

Figure 19

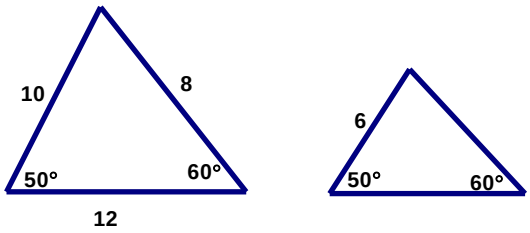

Figure 20

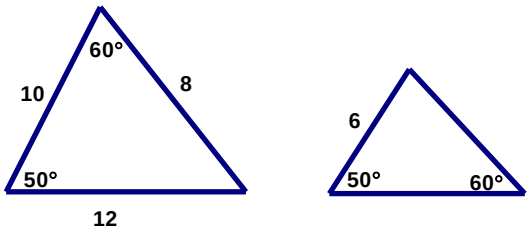

Figure 21

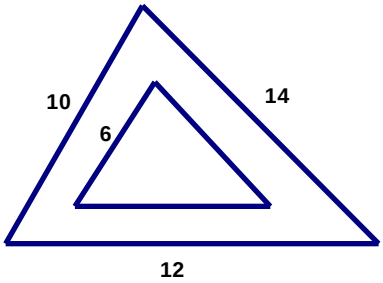

Figure 22

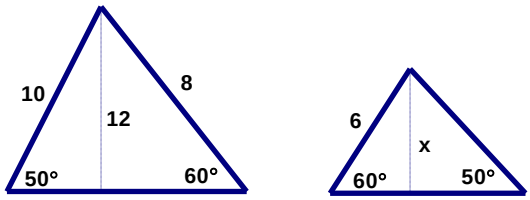

Figure 17: x value is _____.

Figure 18: x value is _____.

Figure 19: Perimeter of 2nd figure is _____

Figure 20: Perimeter of 2nd figure is _____

Figure 21: Perimeter of 2nd figure is _____

Figure 22: x value is _____.