

Chapter 9 Assessment Answer Key

Unit 3 Test Page 71

1. yes

2. 1:4

3. $x = 25; JK = 9\frac{9}{11};$
 $KG = 7.5;$
 $\text{scale factor} = \frac{6}{11}$

4. 5

5. $22\frac{2}{7}$ units

6. \$812.41

7. 33.7

8. yes;
 $27^2 + 120^2 = 123^2$

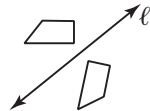
9. 158.4 cm

10. 60

11. 28.1

12. $r \approx 11.1;$
 $m\angle S \approx 39.5;$
 $m\angle T \approx 100.5$

Page 72

13. 

14. $Q'(14, 4),$
 $T'(11, -4)$

15. order: 10;
magnitude: 36°

16. yes

17. $r = \frac{5}{2};$
enlargement

18. $B'(-3, -3)$

19. 45 in. and 63 in.

20. $r = 1$