

## ***Similarity Test Review***

**1. similar**

**2. similar**

**3. similar**

**4.  $\frac{3}{2}$**

**5. 16**

**6. 9**

**7.  $\angle L$**

**8.  $\angle Q$**

**9.  $PQ$**

**10. 11**

**11. yes;  $\triangle ABC \sim \triangle DEF$ ; The missing angle of  $\triangle ABC$  is  $41^\circ$ , so the AA Similarity Theorem (Thm. 8.3) applies.**

**12. no; The ratios of corresponding sides are not equal.**

**13. no; There is only one congruent angle.**

**14. 15 ft**

**15. 5**

**16. 12**

**17. 6**

**18. 30**

**19.  $8\frac{2}{3}$**

**20. 10**

**21. 2.4**

**22. 7**

**23. 4.8**

**24. 11**

**25. 13.2**

**26. 22**