

6.3 Similarities

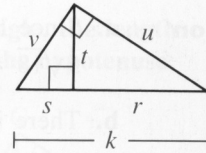
Homework: Do all problems except skip 10-14

5. $\sqrt{50}$ 6. $3\sqrt{8}$ 7. $\sqrt{225}$ 8. $7\sqrt{63}$ 9. $\sqrt{288}$
 10. $\sqrt{\frac{3}{4}}$ 11. $\sqrt{\frac{1}{5}}$ 12. $\frac{\sqrt{5}}{\sqrt{2}}$ 13. $\sqrt{\frac{5}{2}}$ 14. $\frac{3}{4}\sqrt{\frac{28}{3}}$

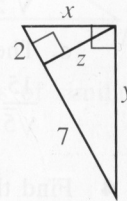
15. Give the geometric mean between:
 a. 2 and 3 b. 2 and 6 c. 4 and 25

Study the diagram. Then complete each statement.

16. a. t is the geometric mean between $\frac{?}{?}$ and $\frac{?}{?}$.
 b. u is the geometric mean between $\frac{?}{?}$ and $\frac{?}{?}$.
 c. v is the geometric mean between $\frac{?}{?}$ and $\frac{?}{?}$.



17. a. z is the geometric mean between $\frac{?}{?}$ and $\frac{?}{?}$.
 Thus $z = \frac{?}{?}$.
 b. x is the geometric mean between $\frac{?}{?}$ and $\frac{?}{?}$.
 Thus $x = \frac{?}{?}$.
 c. y is the geometric mean between $\frac{?}{?}$ and $\frac{?}{?}$.
 Thus $y = \frac{?}{?}$.



Find the values of x , y , and z .

