

SM2-10.4 selected answers

1. SAS, $\triangle EDC \sim \triangle FGH$

3. AA, $\triangle PQR \sim \triangle PVW$

5. SAS, $\triangle WVU \sim \triangle WRQ$

7. AA, $\triangle DEF \sim \triangle DST$

8. not proportional so not similar

9. SSS, $\triangle FGH \sim \triangle FBC$

10. $x = 42$

11. $x = 18$

12. $x = 3$

13. $x = 24$

15. $x = 12$

17. $\frac{AE}{AC} = \frac{AD}{AB}$

18. $\frac{3}{9} = \frac{x}{10}$

19. $x = 3\frac{1}{3}$

20. scale factor = 3 or $\frac{1}{3}$