

SM2-10.4 answers

1. SAS, $\triangle EDC \sim \triangle FGH$
2. SSS, $\triangle ABC \sim \triangle VUT$
3. AA, $\triangle PQR \sim \triangle PVW$
4. not proportional so not similar
5. SAS, $\triangle WVU \sim \triangle WRQ$
6. AA, $\triangle ABE \sim \triangle ACD$
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. $x = 24$
14. $x = 11$
15. $x = 12$
16. $\triangle CAB \sim \triangle EAD$
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 $\frac{1}{3}$