

SM2 10.3 answers

1. congruent, proportional

2. scale factor

3. $\triangle CAB \sim \triangle NLM$

4. $\angle A \cong \angle L$

5. $\angle N \cong \angle C$

6. $\angle B \cong \angle M$

7. $\frac{AB}{LM} = \frac{BC}{MN} = \frac{CA}{NL}$

8. scale factor = $\frac{3}{5}$

9. $x = 15$

10. $y = 15$

11. $z = 4$

12. $w = 6, -6$

13. $x = 6$

14. $x = 15$

15. $x = 42$

16. $x = 24$

17. $\frac{PQ}{WX} = \frac{QR}{XY} = \frac{RS}{YZ} = \frac{SP}{ZW}$

18. $m\angle P = 67^\circ$

19. $m\angle z = 90^\circ$

20. $\frac{5}{3}$

21. $x = 10$

22. $y = 8.4$

23. $x = 60$ feet

24. $x = 5$ inches

25. $x = 12.5$ feet