

Answers for Lesson 4-4, pp. 183–184 Exercises

1. No; similar figures must have the same shape.
2. C
3. D
4. QR
5. Yes; the angles are all congruent and the sides are proportional.
6. No; $\frac{ON}{QT} \neq \frac{MN}{TS}$.
7. 5
8. 32
9. 6 m
10. 20
11. 48
12. 12 in.
13. $x = 8, y = 14.4$
14. $g = 3, f = 4.8, h = 4.8$
15. about 19 inches
16. Yes; the angles are always 90° and the lengths of the sides will always be proportional.
17. D
18. 42.75
19. They are the same.
20. B
21. F
22. D
23. =
24. $>$
25. $>$
26. $>$