

Lesson 1.7

Homework Answers

p. 55, #1-41 odd, 50, 54-57, 61, 68, 69, 72

1. 22 in

3. 56 in

5. 120 m

7. 38 ft

9. 10π ft

11. $\frac{1}{2}\pi$ m

13. 22.9 m

15. 351.9 cm

17.  ≈ 25.1 units

19.  38 units

21. $4320in^2$ or $3\frac{1}{3} yd^2$

23. $8000cm^2$ or $0.8m^2$

25. $120,000cm^2$ or $12m^2$

27. $400\pi m^2$

29. $\frac{9}{64}\pi in^2$

31. $9.9225\pi ft^2$

33. $153.9 ft^2$

35. $452.4cm^2$

37. $310m^2$

39. $24cm^2$

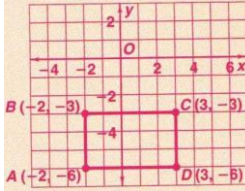
41. a) $144in^2$ b) $1ft^2$

There are 144 square inches in 1 square foot. A square whose sides are 12 in. long & a square whose sides are 1 ft. long are the same size.

50. $96cm^2$

54.  Perim = 10 units

Area = 4 units²

55.  Perim = 16 units

Area = 15 units²

56. 38 units

57. $54 units^2$

61. Area; the wall is a surface.

68. $\frac{3a}{20} units^2$

69. $\frac{25n^2}{4} units^2$

72. 388.5 yd