

1. The correct answer is (b)  $12/4 = x/8$ .
2. The correct answer is (d) I, II, and III.
3. The correct answer is (d), see graph.
4. The correct answer is (b) H.
5. The correct answer is (d) H.
6. The correct answer is (c) 12.12.
7. The correct answer is (c) arc AB is congruent to arc DE.
8. The correct answer is (b)  $(x-3)^2 + (y+2)^2 = 9$ .
9. The correct answer is 6.
10. The correct answer is  $40/3$ .

11. The correct answer is 3.9 cm.
12. The correct answer is triangle ABC is similar to triangle MNO because of SSS.
13. The correct answer is AA postulate, 18.
14. The correct answer is 80 ft.
15. The correct answer is 36.
16. The correct answer is radical 10.
17. The correct answer is 2 radical 30.
18. The correct answer is  $7\frac{6}{7}$  or  $\frac{55}{7}$ .
19. The correct answer is 8.
20. The correct answer is 2 radical 34 feet.

21. The correct answer is  $s\sqrt{3}$ .
22. The correct answer is 229.1 square inches.
23. The correct answer is  $\tan P = 18/24$ ;  $\tan Q = 24/18$ .
24. The correct answer is 6.2 cm.
25. The correct answer is 57.
26. The correct answer is 308 feet.
27. The correct answer is  $\sin X = \sqrt{119/12}$ ;  $\cos X = 5/12$ .
28. The correct answer is 10.
29. The correct answer is 8.5.
30. The correct answer is 60.

31. The correct answer is  $(-4, -8)$ .
32. The correct answer is  $(8, -10)$ .
33. The correct answer is  $(x, y)$  maps onto  $(-x, y)$ .
34. The correct answer is 240 degrees.
35. The correct answer is segment  $OF$ .
36. The correct answer is 72 degrees.
37. The correct answer is 736 square inches.
38. The correct answer is 15.2 square centimeters.
39. The correct answer is 4 cm.
40. The correct answer is  $63/2$  radical 3 square feet.

41. The correct answer is angle 1 = 60; angle 2 = 30; angle 3 = 60.
42. The correct answer is  $16\sqrt{3}$ .
43. The correct answer is 483.0 square inches.
44. The correct answer is  $7/2$  and  $49/4$ .
45. The correct answer is 288 square centimeters.
46. The correct answer is 29.7 square centimeters.
47. The correct answer is 72.25  $\pi$  square meters.
48. The correct answer is 52.5 square meters.
49. The correct answer is 4.7 square inches.
50. The correct answer is 32.

51. The correct answer is square.
52. The correct answer is 421.26 square meters, 431 square meters.
53. The correct answer is 368 PI square inches.
54. The correct answer is 125 square feet.
55. The correct answer is 598 square meters.
56. The correct answer is 5.4 mm.
57. The correct answer is 140 square inches.
58. The correct answer is: yes; 1 : 3.
59. The correct answer is 10.
60. The correct answer is 70.

61. The correct answer is 15.8.
62. The correct answer is 48.
63. The correct answer is 27.5.
64. The correct answer is 21.5.
65. The correct answer is  $(x-5)^2 + (y+8)^2 = 16$ .