

- [1] a. acute triangle, b. obtuse triangle, c. right triangle
- [2] 7.937
- [3] $4\sqrt{3}$ mm, 8 mm
- [4] 15.2 in.
- [5] $25\sqrt{3}$
- [6] Area: 64π , Circumference: 16π
- [7] $\frac{72\pi}{5} \approx 45.24$
- [8] 1715 cm^3
- [9] $16,880.64 \text{ ft}^3$
- [10] 29.32 ft^3
- [11] 297 m^3
- [12] 100
- [13] B
- [14] similar, $\triangle ABCD \sim \triangle GEF$
- [15] $3\frac{1}{3}$
- [16] $x = \frac{28}{3}, y = 4$
- [17] 16
- [18] 4 : 9
- [19] 11.71 ft
- [20] D