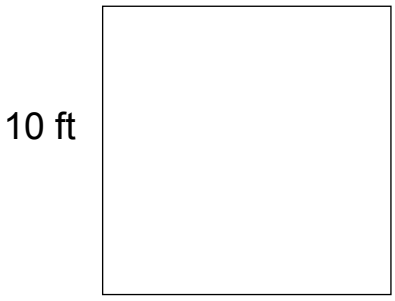
Geometry Review Worksheet

Find the complement (if possible) & supplement of the following:

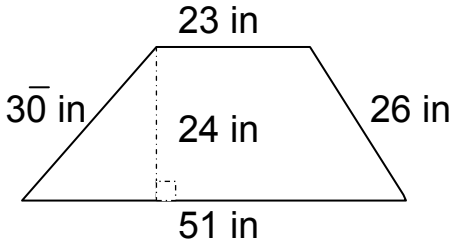
1a) 12.5° 1b) 85.6° 1c) 107°

Solve the following geometry problems. For calculations involving π, use the π value from a scientific calculator:

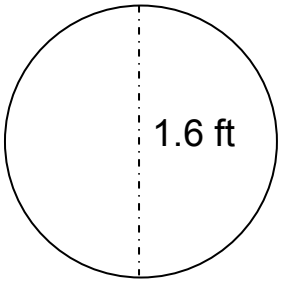
2) Find the perimeter and the area of:



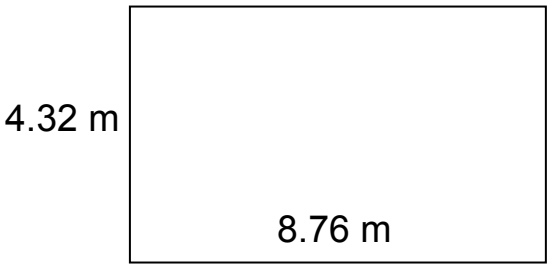
3) Find the perimeter and the area of:



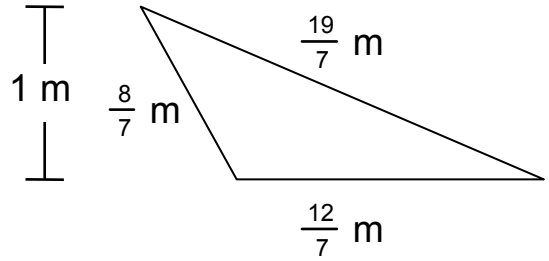
4) Find the circumference and the area of:



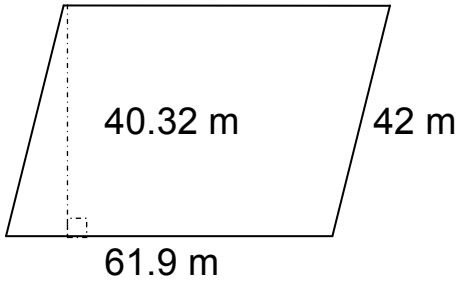
5) Find the perimeter and the area of:



6) Find the perimeter and the area of:

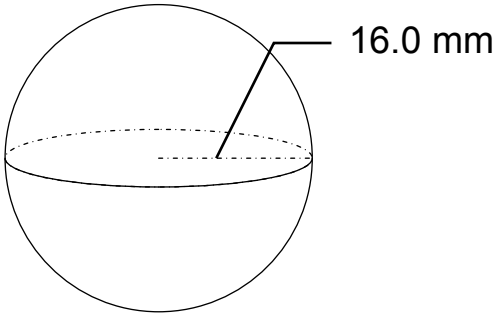


7) Find the perimeter and the area of:

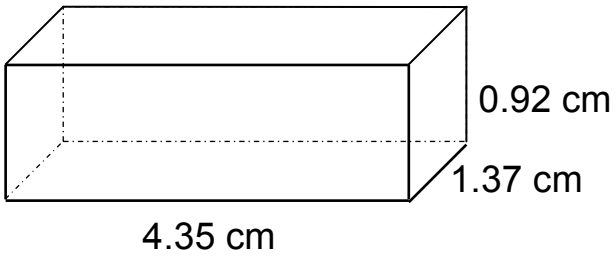


Solve the following geometry problems. For calculations involving π, use the π value from a scientific calculator:

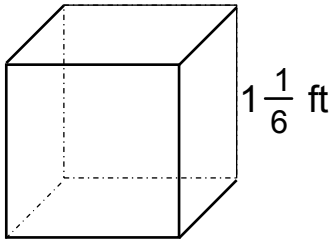
8) Find the volume of:



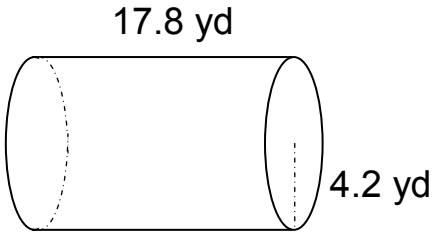
9) Find the volume of:



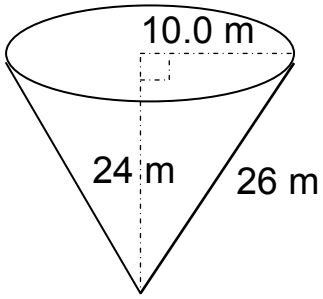
10) Find the volume of (to the nearest 1/6th):



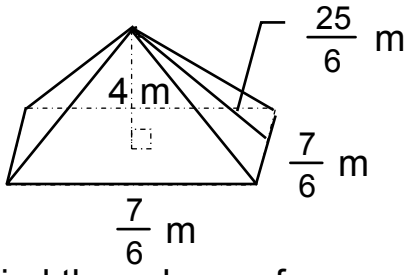
11) Find the volume of:



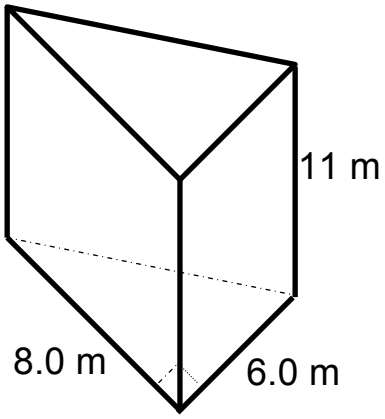
12) Find the volume of:



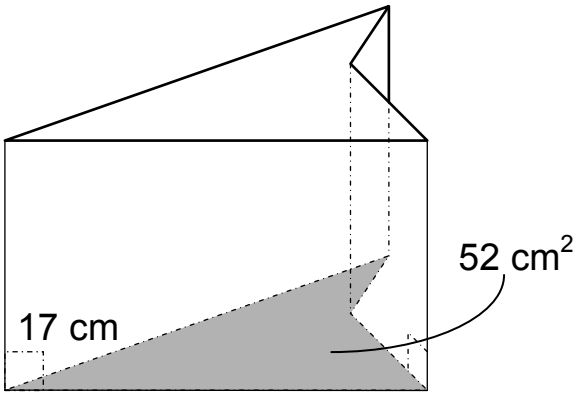
13) Find the volume of: (to the nearest 1/6th)



14) Find the volume of:



15) Find the volume of:



Answers:

1a) Comp. = 77.5˚; Supp. = 167.5˚ 1b) Comp. = 4.4˚, Supp. = 94.4˚

1c) No Comp.; Supp. = 73˚ 2) P = 40 ft; A = 100 ft^2

3) P = 130 in; A ≈ 890 in^2 4) C ≈ 5.0 ft; A ≈ 2.0 ft^2 5) P = 26.16 m; A ≈ 37.8 m^2

6) P = $\frac{39}{7}$ m; A = $\frac{6}{7}$ m^2 7) P ≈ 208 m; A ≈ 2500 m^2 8) V ≈ 17,200 mm^3

9) V ≈ 5.5 cm^3 10) V = $\frac{343}{216}$ $ft^3 \approx \frac{5}{3}$ ft^3 11) V ≈ 990 yd^3 12) V ≈ 2500 m^3

13) V = $\frac{49}{27}$ $m^3 \approx \frac{11}{6}$ m^3 14) V ≈ 260 m^3 15) V ≈ 890 cm^3