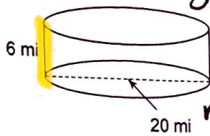


11)



$$S = 2\pi(10)(10+6)$$

$$= \underline{1005.31 \text{ m}^2}$$

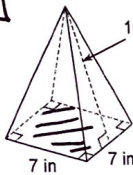
p.31

Square
Pyramid

$$B = 7 \cdot 7 = 49$$

$$P = 7(4) = 28$$

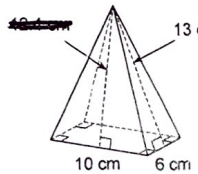
13)



$$S = 49 + \frac{1}{2}(28)(10.6)$$

$$= \underline{197.4 \text{ in}^2}$$

15)

rect.
pyr.

$$B = 10(6) = 60$$

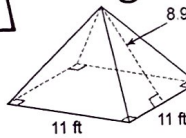
$$P = 2(10) + 2(6) = 32$$

Pyramid

$$S = 60 + \frac{1}{2}(32)(13)$$

$$= \underline{268 \text{ cm}^2}$$

17)



$$B = 11 \cdot 11 = 121$$

$$P = 11 \cdot 4 = 44$$

$$S = 121 + \frac{1}{2}(44)(8.9)$$

$$= \underline{316.8 \text{ ft}^2}$$

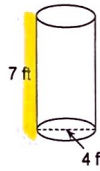
19)



$$S = 4\pi(8)^2$$

$$= \underline{804.25 \text{ in}^2}$$

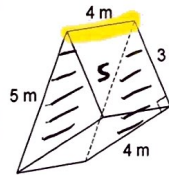
12)



$$S = 2\pi(2)(2+7)$$

$$= \underline{113.10 \text{ ft}^2}$$

14)



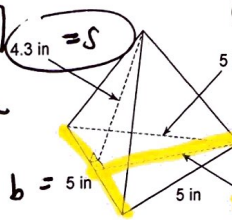
$$B = \frac{1}{2}(4 \cdot 3) = 6$$

$$P = 3 + 4 + 5 = 12$$

$$S = 2(6) + 12(4)$$

$$= \underline{60 \text{ m}^2}$$

16)



$$B = \frac{1}{2}(5)(4.3)$$

$$= 10.75$$

$$P = 5(3) = 15$$

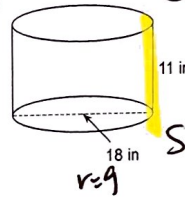
$$b = 5 \text{ in}$$

$$h = 4.3 \text{ in}$$

$$S = 10.75 + \frac{1}{2}(15)(4.3)$$

$$= \underline{43 \text{ in}^2}$$

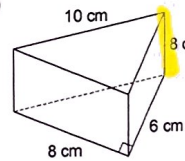
18)



$$S = 2\pi(9)(9+11)$$

$$= \underline{1130.97 \text{ in}^2}$$

20)



$$B = \frac{1}{2}(8 \cdot 6) = 24$$

$$P = 8 + 6 + 10 = 24$$

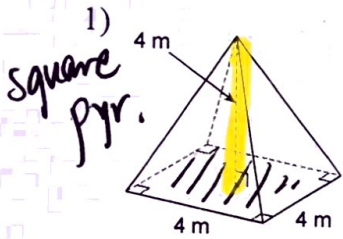
$$S = 2(24) + (24)(18)$$

$$= \underline{240 \text{ cm}^2}$$

$V = Bh$

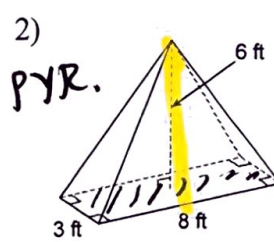
$V = \frac{1}{3} Bh$

Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.



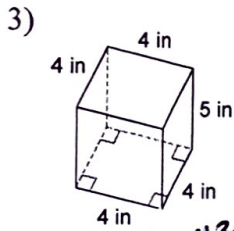
$B = 4 \cdot 4 = 16$

$V = \frac{1}{3} (16)(4)$
 $= 21.33 \text{ m}^3$

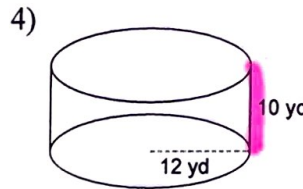


$B = 3 \cdot 8 = 24$

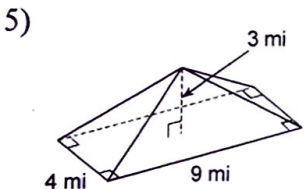
$V = \frac{1}{3} (24)(6)$
 $= 48 \text{ ft}^3$



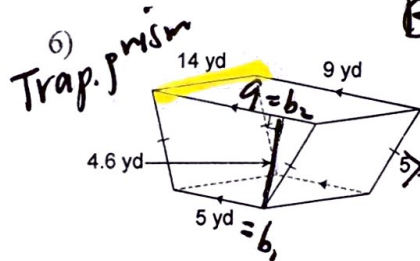
$V = 16(5) = 80 \text{ in}^3$



$V = \pi (12)^2 (10)$
 $= 4523.89 \text{ yd}^3$

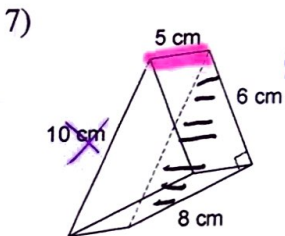


$V = \frac{1}{3} (36)(3)$
 $= 36 \text{ mi}^3$

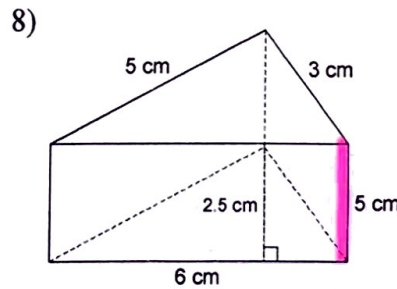


$B = \frac{1}{2} (5+9)(4.6)$
 $= 32.2$

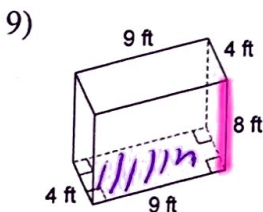
$V = (32.2)(14)$
 $= 450.8 \text{ yd}^3$



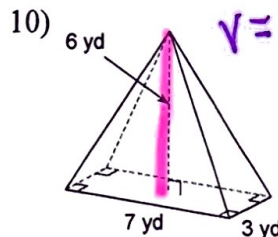
$V = (\frac{1}{2} (6 \cdot 8))(5)$
 $= 120 \text{ cm}^3$



$V = (\frac{1}{2} (6)(2.5))(5)$
 $= 37.5 \text{ cm}^3$



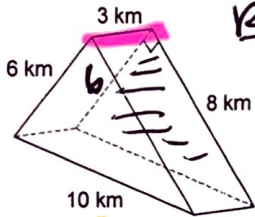
$V = (4)(9)(8)$
 $= 288 \text{ ft}^3$



$V = \frac{1}{3} (3 \cdot 7)(6)$
 $= 42 \text{ yd}^3$

HW:
 V P.34, 35
 P.31-SA

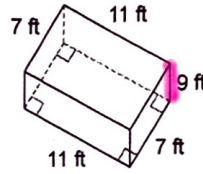
11)



$$B = \frac{1}{2}(b)(h) = 24$$

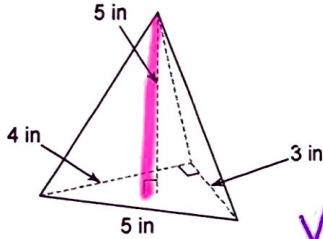
$$V = \underline{72 \text{ km}^3}$$

12)



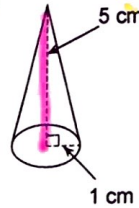
$$V = \underline{693 \text{ ft}^3}$$

13)



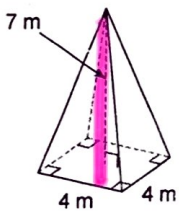
$$V = \frac{1}{3} \left(\frac{1}{2}(3 \cdot 4) \right) (5) = \underline{10 \text{ in}^3}$$

14)



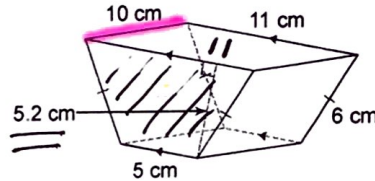
$$V = \underline{5.24 \text{ cm}^3}$$

15)



$$V = \underline{37.33 \text{ m}^3}$$

16)

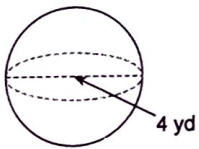


trap. prism $B = \frac{1}{2}(5.2)(11+5) = 41.6$

$$V = 41.6(10)$$

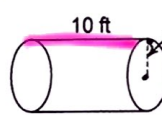
$$V = \underline{416 \text{ cm}^3}$$

17)



$$V = \underline{33.51 \text{ yd}^3}$$

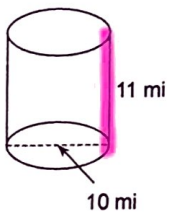
18)



$$V = \pi(3)^2(10)$$

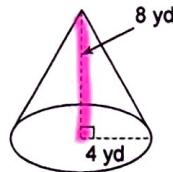
$$V = \underline{282.74 \text{ ft}^3}$$

19)



$$V = \underline{863.94 \text{ mi}^3}$$

20)



$$V = \underline{134.04 \text{ yd}^3}$$