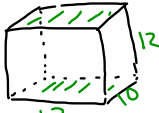


pg 151 April 22, 2014 NOTES
 #1
 $SA = LA + 2B$
 $LA = ph$



$P = 44$
 $h = 12$
 $LA = (44)(12)$
 $LA = 528$

$2B = 2(12 \cdot 10)$
 $2B = 240$

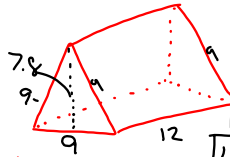
$SA = 528 + 240$
 768 Sq units

Apr 22-7:48 AM



Apr 22-8:30 AM

P151
 #4

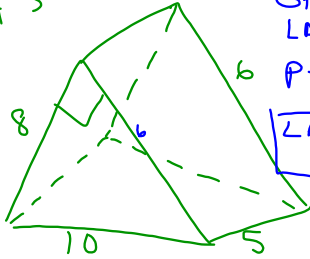


$b = \text{length}$
 $B = \text{area of base}$

$SA = LA + 2B$
 $LA = Ph + 2B$
 $P = 27$
 $h = 12$
 $LA = 27(12) + 2(7.8 \times 9)$
 $LA = 324 + 140.2 = 2B$
 $SA = 394.2 \text{ cm}^2$

Apr 22-7:32 AM

#3




$SA = LA + 2B$
 $LA = Ph$
 $P = 8 + 6 + 10 = 24$
 $h = 5$
 $LA = 24(5) = 120$

$2B = 2(\frac{1}{2} \times 10 \times 6)$
 $2B = 48$

$SA = 120 + 48 = 168 \text{ in}^2$

Apr 22-7:54 AM

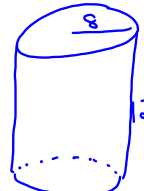
#7



$SA = LA + 2B$
 $LA = Ph$
 $2\pi r h + 2\pi r^2$
 $2\pi(3) \cdot 24 + 2\pi(3)^2$
 $12\pi + 18\pi$
 $SA = 30\pi \text{ yd}^2$

Apr 22-8:44 AM

#8



$SA = LA + 2B$
 $LA = Ph$
 Circumference
 $2\pi r h$
 $2\pi \cdot 8 \cdot 12$
 $LA = 192\pi$

Area of $\odot = \pi r^2$
 $2B = 2\pi r^2$
 $2B = 2\pi(8)^2$
 $2B = 128\pi$

$SA = 192\pi + 128\pi = 320\pi$
 $\approx 1005.3 \text{ in}^2$

Apr 22-7:58 AM

P152 #3

$SA = LA + 2B$
 $LA = Ph$
 $P = 12$
 $h = 11$
 $LA = 132$
 $SA = LA + 2B$
 $132 + 12 \cdot 3$
 152.8 m^2

$A = \frac{1}{2}ap$
 $\frac{1}{2} \cdot 13 \cdot 12$
 $2 \text{ Bases} = 6 \cdot 3$
 $2B = 12 \cdot 3$

Apr 22-8:03 AM

① Pyramid

$SA = LA + B$
 $\frac{1}{2}pl + B$
 $P = 4 \times 4$
 $\frac{1}{2} \cdot 16 \cdot 7 + 16$
 LA
 $SA = 56 + 16 = 72 \text{ cm}^2$

Apr 22-8:08 AM

#2

$l = 20$
 $SA = \frac{1}{2}pl + B$
 $P = 8 \times 8 = 64$
 $LA = \frac{1}{2} \cdot 64 \cdot 20$
 $LA = 640$
 $B = \frac{1}{2}ap$
 $a = 4\sqrt{3}$
 $B = \frac{1}{2} \cdot 4\sqrt{3} \cdot 48$
 $B = 166.3$
 $LA + B$
 $640 + 166.3$
 $SA = 806.3$

Apr 22-8:12 AM

#3

$SA = LA + B = 429.3$
 $LA = \frac{1}{2}pl$
 $l = \text{use pythagorean th...}$
 $LA = \frac{1}{2} \cdot 50 \cdot 10.3$
 $LA = 257.3$
 $B = \frac{1}{2}ap$
 $B = \frac{1}{2} \cdot 6.9 \cdot 50$
 $B = 172$
 $\frac{360}{5} = 72$
 36
 36
 10
 5
 $9^2 + 5^2 = l^2$
 $10.3 = l$
 $\tan 36 = \frac{5}{a}$
 $a = 6.9$

Apr 22-8:16 AM

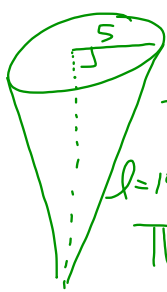
Apr 22-8:23 AM

$LA + B$
 $\pi r l + B$

πr^2

Apr 22-8:23 AM

#5
P 153



$LA + B = SA$
 $\pi r l + \pi r^2 = SA$
 $\pi \cdot 5 \cdot 14 + \pi 5^2$

Apr 22-8:24 AM



Apr 22-8:57 AM