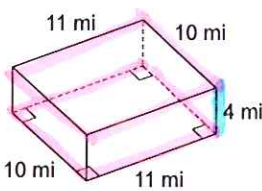
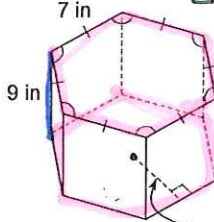
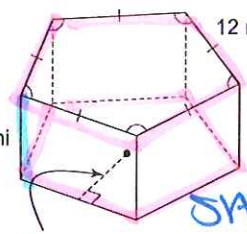


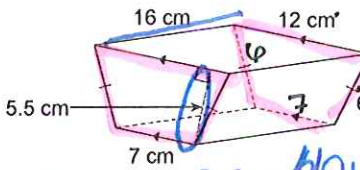
Surface Area Test Review

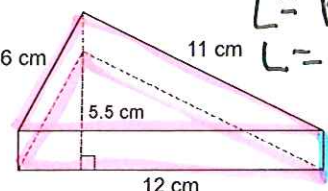
Find the surface area of each figure. Round your answers to the nearest hundredth, if necessary.


1)   $L = Ph$   
 $L = 42(4)$   
 $L = 168 \text{ mi}^2$   
 $SA = 168 + 2(10 \cdot 11)$   
 $168 + 220$   
 $SA = 388 \text{ mi}^2$

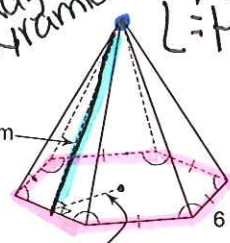
2)   $L = Ph$   $L = 42(9)$   
 $L = 378 \text{ in}^2$   
 $SA = L + 2(B)$   
 $378 + 2(1/2)aP$   
 $378 + 2(1/2)(6.1)(42)$   
 $378 + 256.2$   
 $SA = 634.2 \text{ in}^2$

3)   $L = Ph$   
 $L = 100(9)$   
 $L = 900 \text{ mi}^2$   
 $SA = 900 + 2(1/2)(8.3)(100)$   
 $900 + 830$   
 $SA = 1730 \text{ mi}^2$

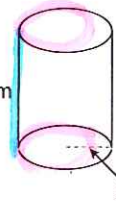
4)   $L = (31)(10)$   
 $L = 490 \text{ cm}^2$   
 $SA = 490 + 2(1/2)(b_1 + b_2)h$   
 $490 + 2(1/2)(19)(5.5)$   
 $490 + 104.5$   
 $SA = 594.5 \text{ cm}^2$

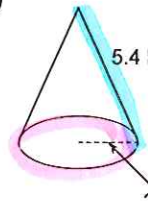
5)   $L = Ph$   
 $L = 29(3)$   
 $L = 87 \text{ cm}^2$   
 $SA = 87 + 2(1/2)(12)(5.5)$   
 $87 + 66$   
 $SA = 153 \text{ cm}^2$

6)   $L = 1/2 \cdot P \cdot l$   
 $L = 1/2 (34)(13)$   
 $L = 221 \text{ km}^2$   
 $SA = 221 + 70$   
 $SA = 291 \text{ km}^2$

7) Hexagonal pyramid   $L = P \cdot l / 2$   
 $L = 36(11.3) / 2$   
 $L = 203.4 \text{ m}^2$   
 $SA = L + B$   
 $SA = 203.4 + 1/2(5.2)(36)$   
 $SA = 203.4 + 93.6$   
 $SA = 297 \text{ m}^2$

8)   $L = 2\pi rh$   
 $L = 2\pi(12)(10)$   
 $L = 240\pi \text{ mi}^2$   
 $r = 12$   
 $SA = 240\pi + 2\pi(12)^2$   
 $240\pi + 288\pi$   
 $SA = 528\pi \text{ mi}^2$

9)   $L = 2\pi rh$   
 $L = 2\pi(2)(5)$   
 $L = 20\pi \text{ cm}^2$   
 $SA = 20\pi + 2\pi(2)^2$   
 $20\pi + 8\pi = 28\pi \text{ cm}^2$

10)   $L = \pi r l$   
 $L = \pi(2)(5.4)$   
 $L = 10.8\pi \text{ km}^2$   
 $SA = 10.8\pi + \pi r^2$   
 $10.8\pi + 4\pi$   
 $SA = 14.8\pi \text{ km}^2$