

HW #10 pg 388 #1-6, pg 389 #8-14, pg 392 #7-9

\* extra pg 394 #4+5

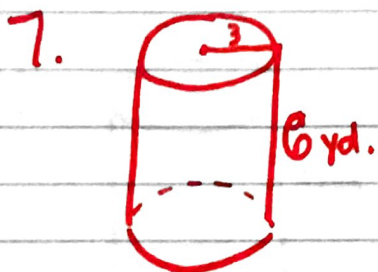
Pg 388

1. The intersection is a triangle
2. The intersection is a triangle.
3. The intersection is a square.
4. The intersection is a rectangle
5. The intersection is a triangle.
6. The intersection is a rectangle.

Pg 389

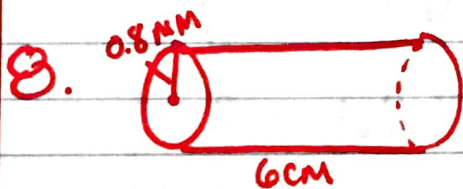
8. The intersection is a rectangle
9. The intersection is a circle.
10. The intersection is a line segment
11. The intersection is a circle.
12. Circle
13. rectangle
14. circle.

Pg 392



$$r^2 = 9$$
$$3.14(9) = 28.26$$
$$C = \pi(6) = 18.84$$
$$A = 18.84(6)$$
$$A = 113.04$$

$$SA = 28.26 + 28.26 + 113.04 = \boxed{169.56 \text{ yd}^2}$$



$$SA = 2.0096 + 2.0096 + 30.144$$

$$r^2 = 0.64$$
$$3.14(0.64) = 2.0096$$

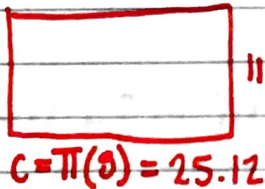
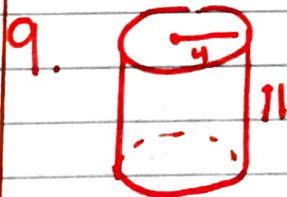
$$SA = 34.1632 \text{ mm}^2$$

$$C = 3.14(1.6) = 5.024$$



$$A = 5.024(6)$$
$$A = 30.144$$

$$SA \approx \boxed{34.16 \text{ mm}^2}$$



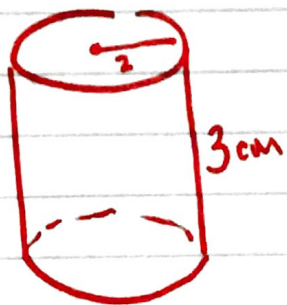
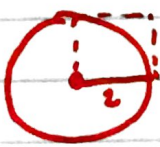
$$C = \pi(8) = 25.12$$


$$SA = 11(25.12)$$

$$= \boxed{276.32 \text{ cm}^2}$$



# Extra Practice pg 394

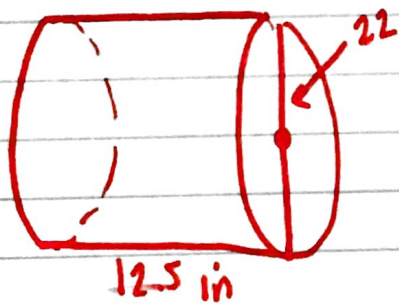

4.    $3.14(4) = 12.56$

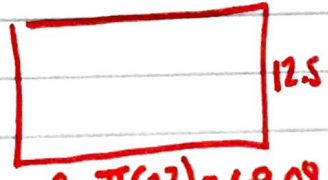
  $A = 12.56(3)$   
 $= 37.68$

$C = \pi(4) = 12.56$

$$SA = 12.56 + 12.56 + 37.68$$

$$SA = 62.8 \text{ cm}^2$$

5.    $11 \cdot 11 = 121$   
 $121(3.14) = 379.94$

  $A = 69.08(12.5)$   
 $A = 863.5$

$C = \pi(22) = 69.08$

$$SA = 379.94 + 379.94 + 863.5$$

$$SA = 1623.38 \text{ in}^2$$