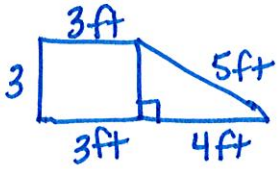
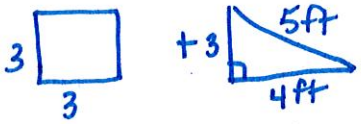
1) pg. 116 #1-6



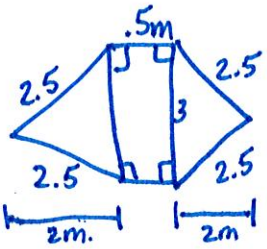
$P = 3+3+4+5+3$
$= \boxed{18\text{ft}}$



$A = s^2$ $\quad A = \frac{bh}{2}$
$= 3^2$ $\quad = \frac{4(3)}{2}$
$= 9 +$ $\quad = \frac{12}{2}$
$= 6$

$A = 9+6 = \boxed{15\text{ft}^2}$

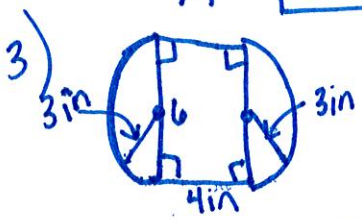
2)



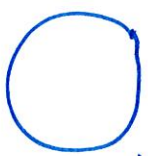
A= 2(Triangles) + Rectangle
$2\left(\frac{bh}{2}\right)$ + Rectangle
$2\left(\frac{bh}{2}\right) + L \cdot W$
$2\left(\frac{3 \cdot 2}{2}\right) + .5 \cdot 3$
$2\left(\frac{6}{2}\right) + .5 \cdot 3$
$2(3) + 1.5$
$6 + 1.5$
$A = \boxed{7.5\text{m}^2}$

$P = 2.5+2.5+.5+2.5+2.5+.5$
$= 5 + 1 + 5$
$P = \boxed{11\text{m}}$

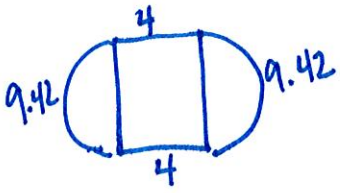
3)



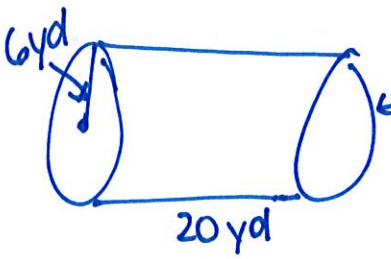
$A = \pi r^2$ + $A = L \cdot W$
$(3.14)(3)^2 + 4(6)$
$A = \frac{(3.14)(9)}{28.26} + 24$
$+24 = \boxed{52.3\text{in}^2}$

$P =$ 

$C = \pi d$
$= 3.14(6)$
$= 18.84$



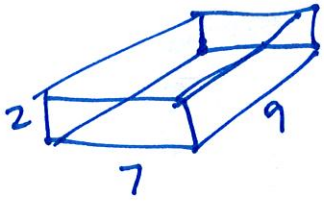
$P = 9.42+9.42+4+4$
$= 18.84+8$
$P = \boxed{26.8\text{in}}$

4) 

$C = \pi d$
$= 3.14(12)$
$= 37.68$

$SA = 2(\text{Circles}) + \text{Rectangle}$
$= 2(\pi r^2) + L \cdot W$
$= 2(3.14(6)^2) + 20(37.68)$
$2(3.14(36)) + 20(37.68)$
$2(113.04) + 20(37.68)$
$226.08 + 753.6$
$\boxed{SA = 979.7 yd^2}$

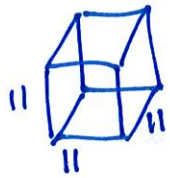
$V = \pi r^2 h$
$= (3.14)(6)^2(20)$
$= (3.14)(36)(20)$
$= \boxed{2260.8 yd^3}$

5) 

$L = 9$
$W = 7$
$H = 2$

$SA = 2(LW) + 2(LH) + 2(HW)$
$2(9 \cdot 7) + 2(9 \cdot 2) + 2(2 \cdot 7)$
$2(63) + 2(18) + 2(14)$
$126 + 36 + 28$
$162 + 28$
$\boxed{190 cm^2}$

$V = L \cdot W \cdot H$
$= 9 \cdot 7 \cdot 2$
$V = \boxed{126 cm^3}$

6) 

$SA = 6(L \cdot W)$
$= 6(11 \cdot 11)$
$= 6(121)$
$SA = \boxed{726 mm^2}$

$V = s^3$
$= 11^3$
$\boxed{V = 1331 mm^3}$