(10) a) $C = 2\pi(18)$

$C = 36\pi$ in

$A = \pi(18)^2$

$A = 324\pi$ in^2

b) $r = 12/2 = 6$

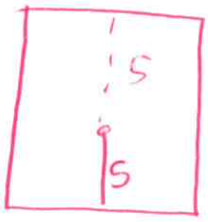
$C = 2\pi(6)$

$C = 12\pi$ m

$A = \pi(6)^2$

$A = 36\pi$ m^2

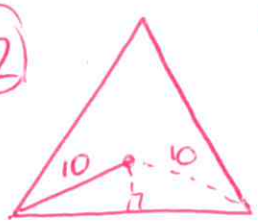
(11)



$b = h = 5 + 5 = 10$

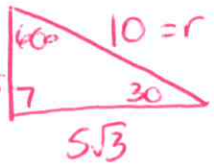
$A = 10 \cdot 10 = 100$ in^2

(12)



$360/3 = 120°$

$120/2 = 60°$ $\frac{10}{2} = 5$



$5\sqrt{3}$

$A = 2 \cdot 5\sqrt{3} = 10\sqrt{3}$

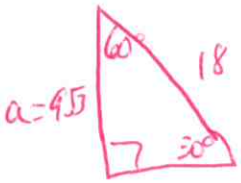
$A = \frac{1}{2}(5)(3 \cdot 10\sqrt{3})$

$A = \frac{1}{2}(5)(30\sqrt{3})$

$A = \frac{1}{2}(150\sqrt{3}) = 75\sqrt{3}$ cm^2

(13)

$360/6 = 60°$



$\frac{18}{2} = 9$

$A = \frac{1}{2}(9\sqrt{3})(6 \cdot 18)$

$A = \frac{1}{2}(9\sqrt{3})(108)$

$A = 54(9\sqrt{3})$

$A = 486\sqrt{3}$ m^2

(14) $216 = \frac{1}{2}(6)(8A)$

$216 = \frac{1}{2}(48A)$

$\frac{216}{24} = \frac{24A}{24}$

$A = 9$ cm

(15) $133 = \frac{1}{2}(19 \cdot d_2)$ $\times 2$

$\times 2$ $\frac{266}{19} = \frac{19d_2}{19}$

$d_2 = 14$ m

(16) $100 = \frac{1}{2}(10+15)h$

$100 = \frac{1}{2}(25)h$

$\times 2$ $\times 2$

$\frac{200}{25} = \frac{25h}{25}$

$h = 8$ m

(17) $\frac{1}{2}x \cdot x = 32$

$\frac{1}{2}x^2 = 32$

$\times 2$ $\times 2$

$x^2 = 64$

$\sqrt{\ }$ $\sqrt{\ }$

$x = 8$ mm