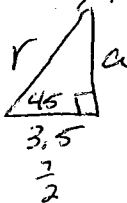


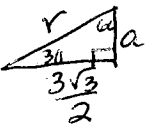
P. 443 w.e. # 3, 8, 12-16, 18-20

3) $A = 49$, $s = 7$



$a = \frac{7}{2}$ $r = \frac{7\sqrt{2}}{2}$

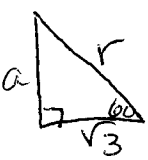
8)



$\frac{3\sqrt{3}}{2} = \frac{a\sqrt{3}}{r}$ $A = \frac{1}{2} \left(\frac{3}{2} \right) (3\sqrt{3}) (3)$
 $\frac{3}{2} = a$ $= \frac{27\sqrt{3}}{4} u^2$

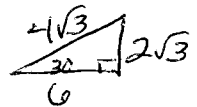
$r = 3$

12)



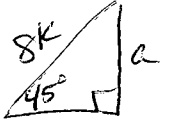
$a = \sqrt{3} \cdot \sqrt{3}$ $A = \frac{1}{2} (3) (2\sqrt{3}) (6)$
 $a = 3$ $= 18\sqrt{3} u^2$
 $\frac{12\sqrt{3}}{6} = 2\sqrt{3}$ $r = 2\sqrt{3}$

13)



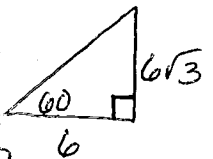
$A = \frac{1}{2} (2\sqrt{3}) (12) (3)$
 $= 36\sqrt{3} u^2$

? 14)

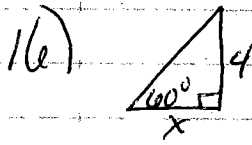


$8K = a\sqrt{2}$ $A = \frac{1}{2} (4\sqrt{2}K) (8\sqrt{2}K) (4)$
 $8\sqrt{2}K = a$ $= (8\sqrt{2}K)^2$
 $4\sqrt{2}K = a$ $= 128K^2 u^2$

15)



$A = \frac{1}{2} (6\sqrt{3}) (12) (6)$
 $= 216\sqrt{3} u^2$
 $\frac{72}{6} = 12$



$$4 = x\sqrt{3}$$

$$\frac{4\sqrt{3}}{3} = x$$

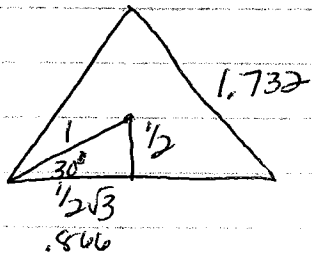
$$S = \frac{2\sqrt{3}}{3}$$

$$A = \frac{1}{2}(4)(\frac{4\sqrt{3}}{3})(6)$$

$$= 48\sqrt{3} u^2$$

$$= 32\sqrt{3} u^2$$

18)



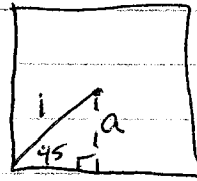
$$P = 5.196 u^2$$

$$a = .5$$

$$A = \frac{1}{2}(.5)(1.732)(3)$$

$$= 1.299 u^2$$

19)



$$S = \sqrt{2}$$

$$1 = a\sqrt{2}$$

$$\frac{\sqrt{2}}{2} = a$$

$$a = \frac{\sqrt{2}}{2}$$

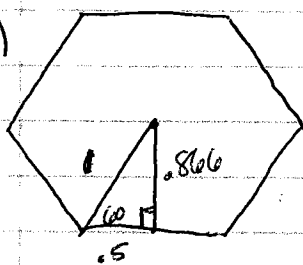
$$= .707$$

$$P = 1.414(4)$$

$$= 5.656 u$$

$$A = 2u^2$$

20)



$$a = .866$$

$$P = 6 u$$

$$A = \frac{1}{2}(.866)(1)(6)$$

$$= 2.598 u^2$$