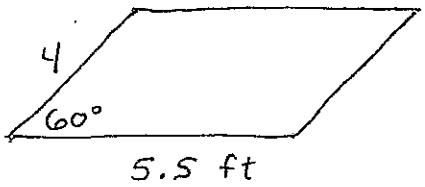
GEOMETRY

Ch. 11 Review

_____

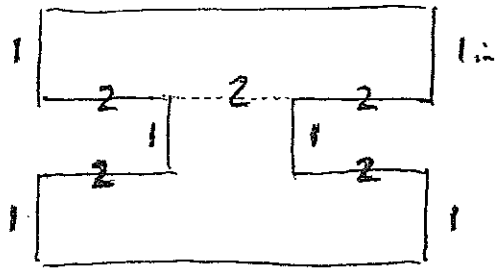
(1)



area = _____

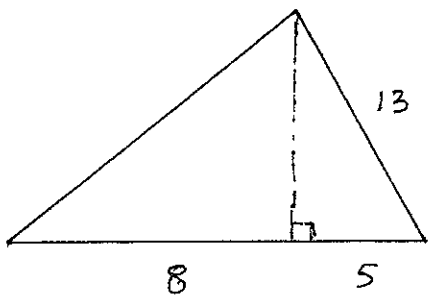
perimeter = _____

(2)



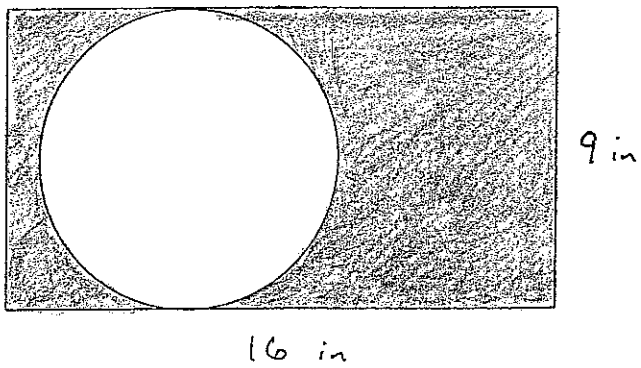
area = _____

(3)



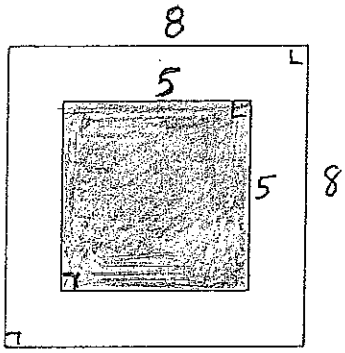
area = _____

(4)



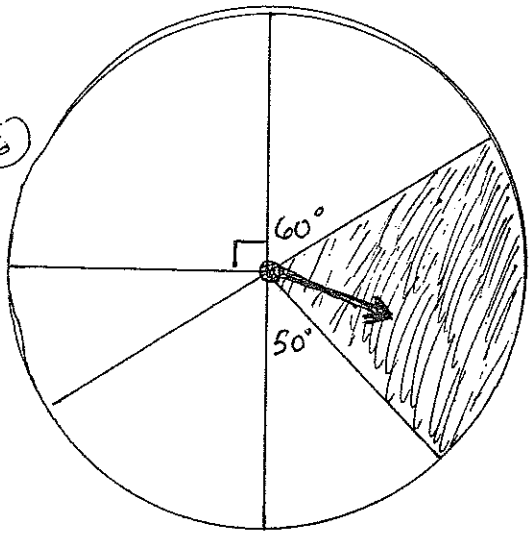
shaded area = _____

(5)



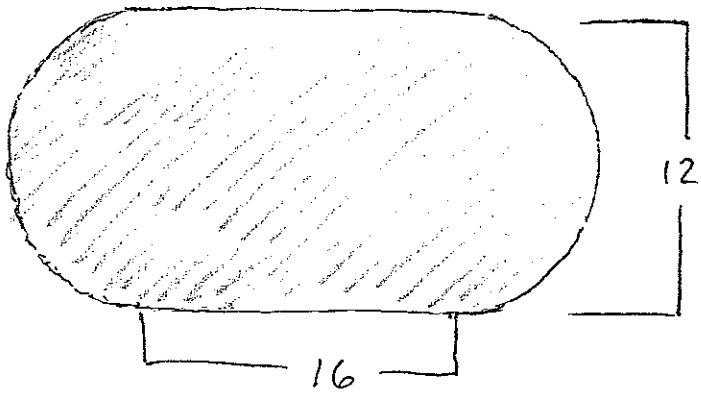
P(shaded) = _____

(6)



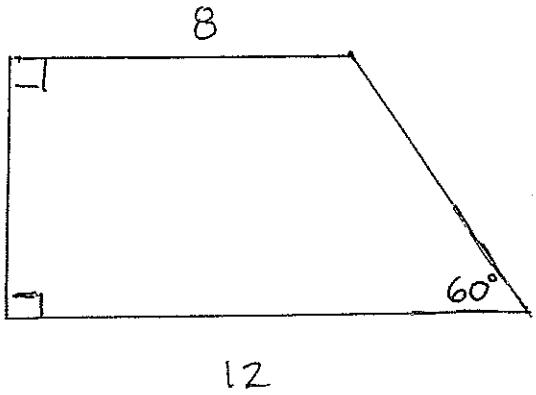
P(shaded) = _____

(7)



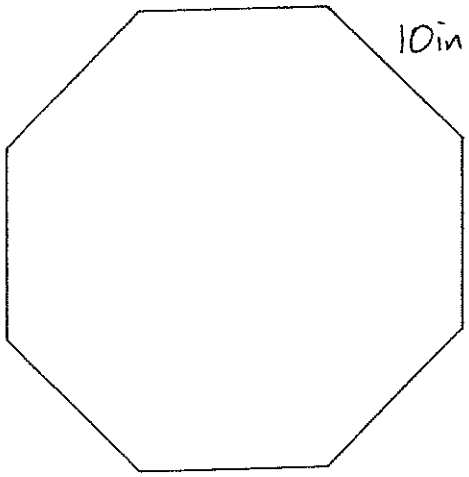
area = _____

(8)



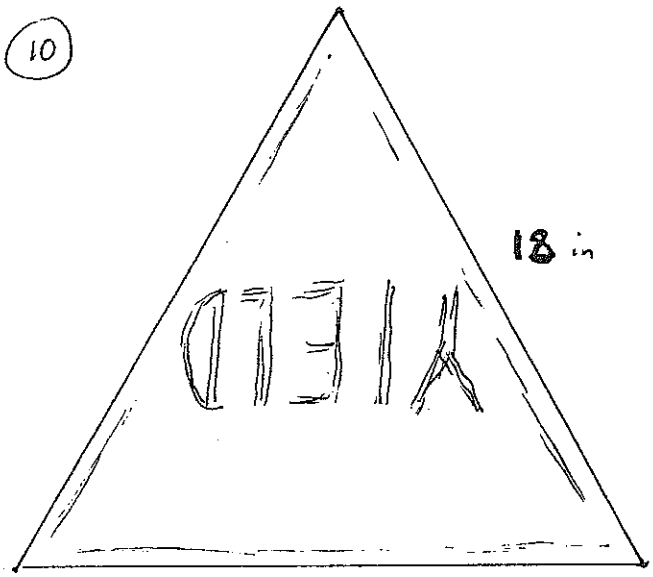
trapezoid area = _____

(9)



area = _____

(10)



area = _____

(1)

$\sin 60° = \frac{h}{4}$

$4(\sin 60°) = 4\left(\frac{h}{4}\right)$

$= h$

$A = bh = (5.5)(\quad) =$

$P = 4 + 4 + 5.5 + 5.5 = 19$

(2) $1 \cdot 6 + 1 \cdot 2 + 1 \cdot 6 = 14$

top middle bottom

(3) $h^2 + 5^2 = 13^2$

$h^2 + 25 = 169$

$h^2 = 144$

$h = 12$

$A = \frac{1}{2}bh$

$= \frac{1}{2}(13)(12)$

$= 78$

(4) shaded = rectangle − circle

$= 16 \cdot 9 - \pi(4.5)^2$

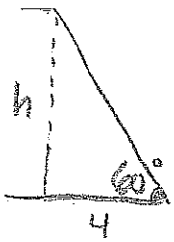
(5) $P(\text{shaded}) = \frac{\text{shaded area}}{\text{total area}} = \frac{5 \cdot 5}{8 \cdot 8} = \frac{25}{64}$

(6) $P(\text{shaded}) = \frac{70}{360} = \frac{7}{36}$

(7) shaded = rectangle + two half circles

$= (16)(12) + \pi(6)^2$

(8)



$\tan 60° = \frac{h}{4}$

$4(\tan 60) = 4\left(\frac{h}{4}\right)$

$= h$

$A = \frac{1}{2}(b_1 + b_2)h$

$= \frac{1}{2}(8 + 12)(\quad)$

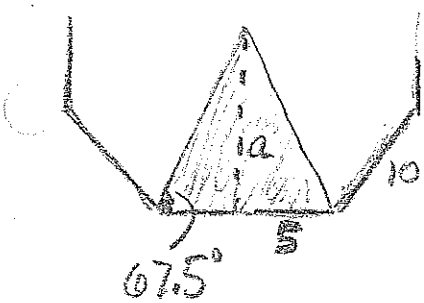
$=$

(10)

$\tan 60° = \frac{h}{9}$

$A = \frac{1}{2}(18)(\quad)$

(9)



$\tan 67.5° = \frac{a}{5}$

$5(\quad) = 5\left(\frac{a}{5}\right)$

$= a$

$A = \frac{1}{2}(\text{base})(\text{height})(8\ \Delta\text{'s})$

$= \frac{1}{2}(10)(\quad)(8)$

$=$