

Geo

Area + Perimeter

Ch 10

p. 537-539 4-9, 34-36, 40-44

4. $10h = 8(14)$

$10h = 112$

$h = 56/5$

5. $.5h = (.4)(.3)$

$.5h = .12$

$h = .24$

6. $13h = (18)(12)$

$13h = 216$

$h = 216/13$

7. $b = 4 + 3 = 7$

$A = \frac{1}{2}(4)(7)$

$A = 2 \cdot 7 = 14 \text{ m}^2$

8. $A = \frac{1}{2}(6)(4.5)$

$A = 3(4.5)$

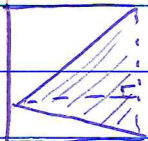
$A = 13.5 \text{ yd}^2$

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

$A = 1 \cdot 3$

$A = 3 \text{ ft}^2$

34.



$A_{\square} = 25^2 = 625$

$A_{\Delta} = \frac{1}{2}(25)(25) = \frac{1}{2}(625)$

$A_{\text{WHOLE}} = 625 - \frac{625}{2} = 312 \frac{1}{2} \text{ ft}^2$

35. $A_{\square} = 15 \cdot 21 = 315$

$A_{\Delta} = \frac{1}{2}(20)(21) = 10 \cdot 21 = 210$

$A_{\text{WHOLE}} = 315 + 210 = 525 \text{ m}^2$

36. $A_{\square} = 60 \cdot 120 = 7200$

$\Delta \text{ Base} = 200 - 60 = 140$

$\Delta \text{ ht} = 120 - 40 = 80$

$A_{\Delta} = \frac{1}{2}(80)(140) = 40 \cdot 140 = 5600$

$A_{\text{TOTAL}} = 7200 + 5600 = 12800 \text{ m}^2$

40. $A = \frac{1}{2}(10)(24)$

$A = 5 \cdot 24$

$A = 120 \text{ in}^2$

(B)

41. $A = 8 \cdot 8 = 64 \text{ in}^2$ (G)

42. $A = (290)(176) = 51040 \text{ ft}^2$

(A)

43. $b = \frac{60}{3} = 20$

$A = \frac{1}{2}(20)(17.3)$

$A = 10 \cdot 17.3$

$A = 173 \text{ m}^2$

(F)

44. The distance between the

two horizontal sides is

5 units (blocks). The base

is the same length

$A = 5 \cdot 5 = 25 \text{ u}^2$