

9.6

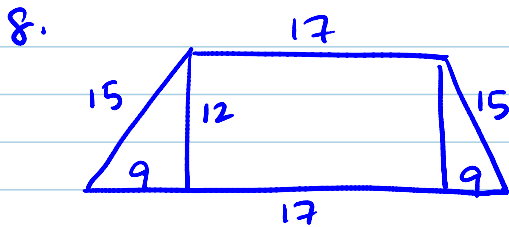
Tuesday, February 08, 2011
9:28 AM

Sec 9.6
pgs. 401 - 404
#5, 8 - 10, 12, 15, 16, 22

Pasted from <file:///C:/Users/lagreen/Documents/2010-2011/2010-2011/Geo%20H/Chapter%209/Chapter%209%20Calendar.doc>

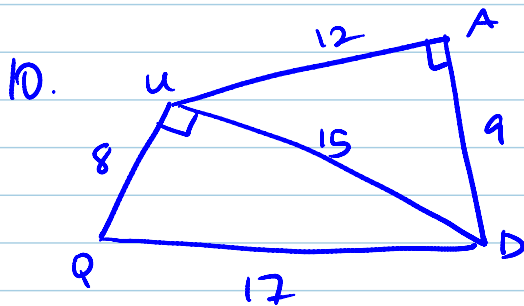
pg. 401

- 5 a. 12 b. $2\sqrt{7}$ c. 10 d. $\frac{1}{2}$
 e. 34 f. $5\sqrt{7}$ g. 72 h. 45 i. $12\sqrt{7}$

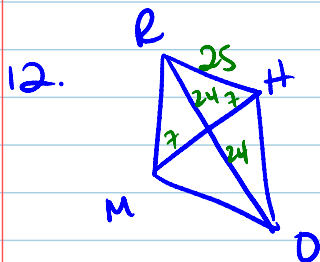


upper base = 17

9. a. 24 b. $300\sqrt{5}$



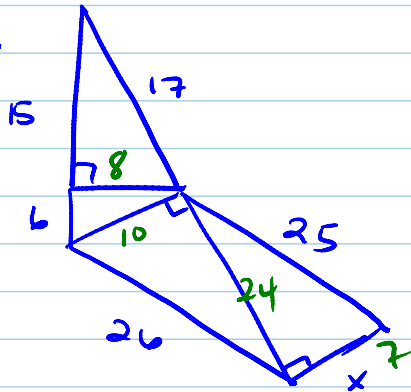
QD = 17



perimeter = 100

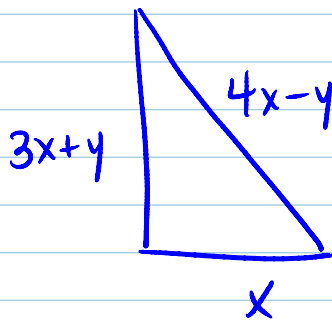
15. a. 144 b. $\frac{3}{8}$ c. $\sqrt{7}$

16. a.



$$x = 7$$

22.



$$x^2 + (3x+y)^2 = (4x-y)^2$$

$$x^2 + 9x^2 + 6xy + y^2 = 16x^2 - 8xy + y^2$$

$$10x^2 + 6xy = -8xy + 16x^2$$

$$2x(5x + 3y) = 2x(8x - 4y)$$

$$5x - 8x = -4y - 3y$$

$$x(5-8) = y(-4-3)$$

$$\frac{x}{y} = \frac{-7}{-3} = \frac{7}{3}$$