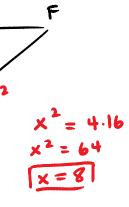
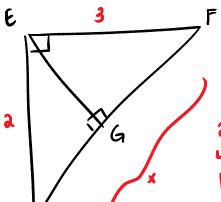


H

H



$$E = 2\sqrt{5}$$
 $G = 4 \times 4.5 = 4 \times 5 = 4$ 



$$3^{2}+3^{2}=x^{2}$$

$$4+9=x^{2}$$

$$\sqrt{13}=x$$

- a. 30-60-90
- b. 3,4,5
- c. 5,12,13
- d. 8, 15, 17
- e. 45,45,90

a. 30

- d. 15
- g. 5(3, 10(3 j. 4/2, 4/2

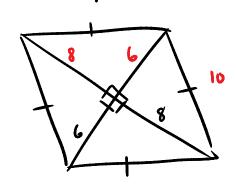
- b. 5/3, 5
- e. 415
- h. 25/2

c. 7

f. 9

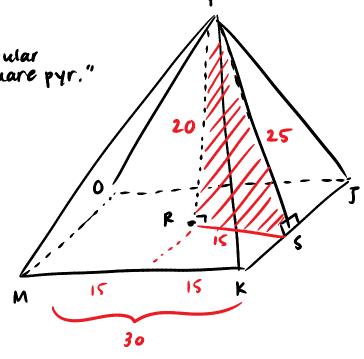
1. 26

If AE=6 and BE=8 #4 what is the perimeter of the rhombus



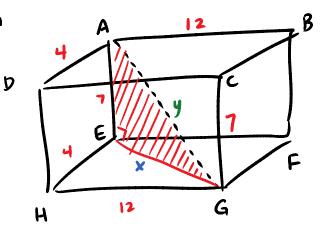
"Regular Square pyr."

Find the perimeter of base

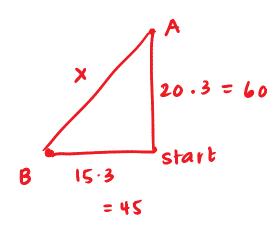


#15 Find AG to the nearest tenth IF DC=12, CG= 7, AD=4

$$4^{2}+12^{2} = x^{2}$$
  $(4\sqrt{10})^{2}+7^{2}=y^{2}$   
 $1^{2}+3^{2}=x^{2}$   $16\cdot10+49=y^{2}$   
 $10=x^{2}$   $160+49=y^{2}$   
 $4\sqrt{10}=x$   $209=y^{2}$   
 $y \approx 14.5$ 



#23 Jwo Boats Leave the harbor at 9 a.m. Boat A sails north at 20 km/hr Boat B sails west at 15 km/hr. How far apart are the two boats at noon.



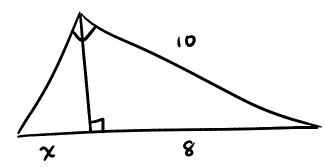
$$60^{2} + 45^{2} = \chi^{2}$$

$$4^{2} + 3^{2} = \chi^{2}$$

$$5 = \chi$$

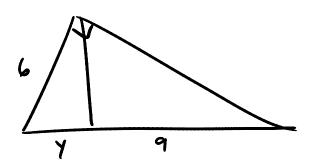
$$5(15) = 75 \text{ km}$$

#a4 a. Jund x



$$10^2 = 8(8+x)$$
  
 $100 = 64 + 8x$   
 $36 = 8x$   
 $4.5 = x$ 

b. Find y



$$6^{2} = y (y+9)$$

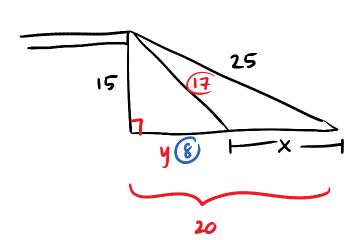
$$36 = y^{2} + 9y$$

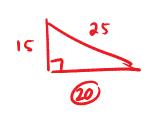
$$0 = y^{2} + 9y - 3b$$

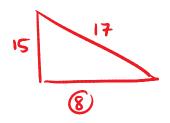
$$0 = (y-3)(y+12)$$

$$y = 3, -12$$

#26

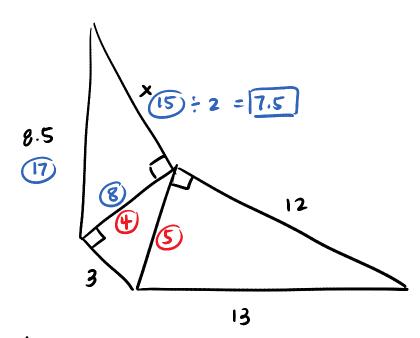


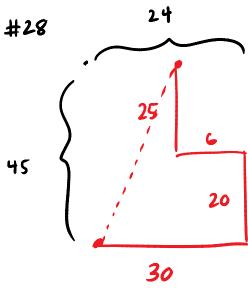




$$x = 20 - 8 = 12ft$$

#27





$$45^{2} + 34^{2} = x^{2}$$
 $15^{2} + 8^{2} = x^{2}$ 
 $17 = x$ 
 $x = 3$ 

$$51 \text{ paces}$$

#33 The altitude to the hypotenuse of a right  $\Delta$  divides the hypotenuse in a ratio 4:1. What is the ratio of the legs of the Wiangre

