

P5 ADV GED

Mon 9.4 / 1-17 odd, 22-24, 26, 31, 34

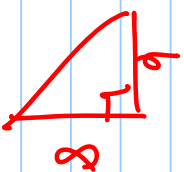
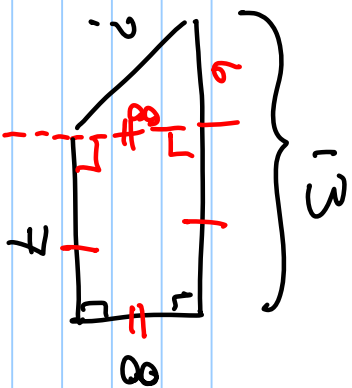
TUES MEALS SEMINAR

WED 9.5 / 1-9 odd, 15 & 23

9.4 Q: 7, 9, 13, 15, 23, 24, 26, 31 & 34  
B C D ↑

SET A

17



$(6, 8, 10)$   
 $(3, 4, 5)$

$$3^2 + 4^2 = h^2$$

$$9 + 16 = h^2$$

$$25 = h^2$$

$$5 = h$$

lead into tonight's work (9.5)

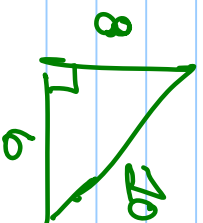
9 a. Find  $C = (2, 3)$

b:  $AC = \Delta Y = 11 - 3 = 8$

$CB = \Delta X = 8 - 2 = 6$

c  $AB = 10$

d  $1/2 AB = \sqrt{(8-2)^2 + (11-3)^2}$



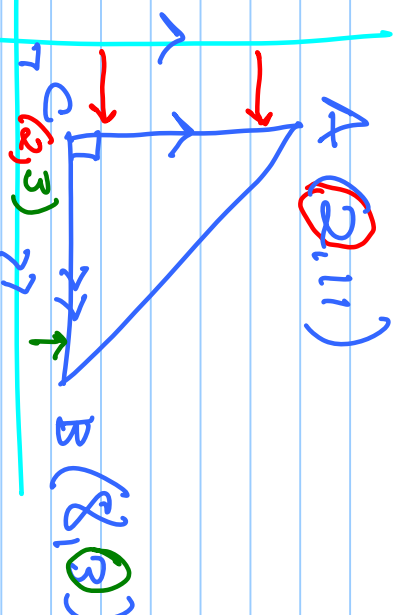
DISTANCE =  $\sqrt{(X_8 - X_A)^2 + (Y_A - Y_8)^2}$

$6^2 + 8^2 = AB^2 \rightarrow (6, 8, 10) = 2(3, 4, 5)$

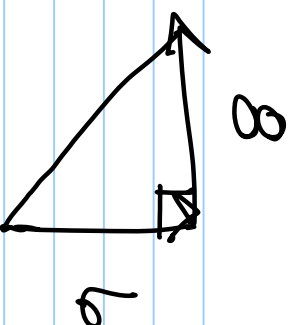
$3^2 + 4^2 =$

$9 + 16 =$

$25$



13.  $\begin{array}{r} 2 \text{ km N} \\ 4 \text{ km N} \\ \hline 6 \text{ km N} \end{array} \quad \begin{array}{r} 6 \text{ km W} \\ 2 \text{ km W} \\ \hline 8 \text{ km W} \end{array}$



$(6, 8, \textcircled{10})$

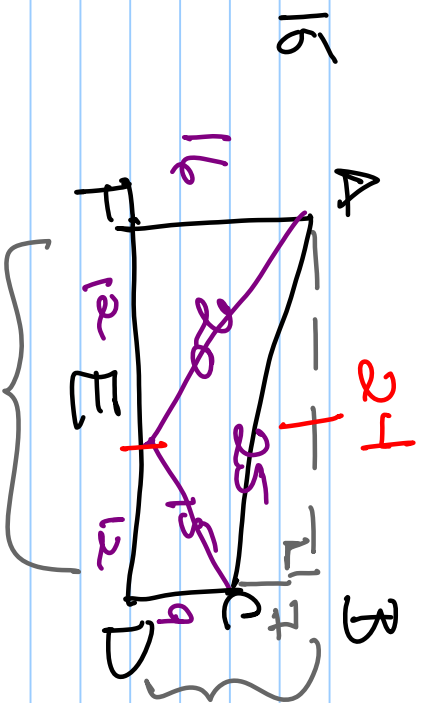
$2(3, 4) \rightarrow$

$4 \cdot 5 \cdot 2 \rightarrow$

$$\begin{aligned} 3^2 + 4^2 &= ?^2 \\ 9 + 16 &= ?^2 \\ 25 &= ?^2 \end{aligned}$$

$$\sqrt{25} = \sqrt{?^2}$$

$$5 = ?$$



ABCD = rectangle, E midpt  
Find  $P_{ACE}$

$$BD = 16$$

$$BC = 7$$

$$FD = 24$$

$$\Delta CDE = (9, 12, \frac{15}{5})$$

$$3(3, 4, 5)$$

$$\Delta AFE = (12, 16, 20)$$

$$4(3, 4, 5)$$

$$P_{ACE} = 25 + 20 + 15 = 60$$

$$AB^2 + BC^2 = AC^2$$

$$24^2 + 7^2 =$$

$$(20 + 4)(20 + 4) + 49 =$$

$$(400 + 160 + 16)$$

$$576 + 49$$