

# Homework 7-119 to 7-125

7-119

- a)  $(4.5, 3)$       b)  $(-3, 1.5)$       c)  $(1.5, -2)$

7-120

a) yes  $\triangle SRH \sim \triangle SKA$       scale factor of 2

b)  $\overline{HR}$  is  $\frac{1}{2}$  of  $\overline{AK}$

$$\overline{HR} = \frac{1}{2} \overline{AK}$$

$$\overline{SH} = \frac{1}{2} \overline{SA}$$

$$\overline{SH} = \overline{HA}$$

c)  $SR = 10$   
 $RH = 8$

$$10^2 - 8^2$$

$$100 - 64$$

$$\sqrt{36} = 6 \text{ units}$$

7-121

a)  $.5(6) + .125(-8) + .125(0) + .25(8)$

4

b) 1

c) used equation from above

$$2 + .25A = 0$$

$$.25A = -2$$

$$A = -8$$

7-122

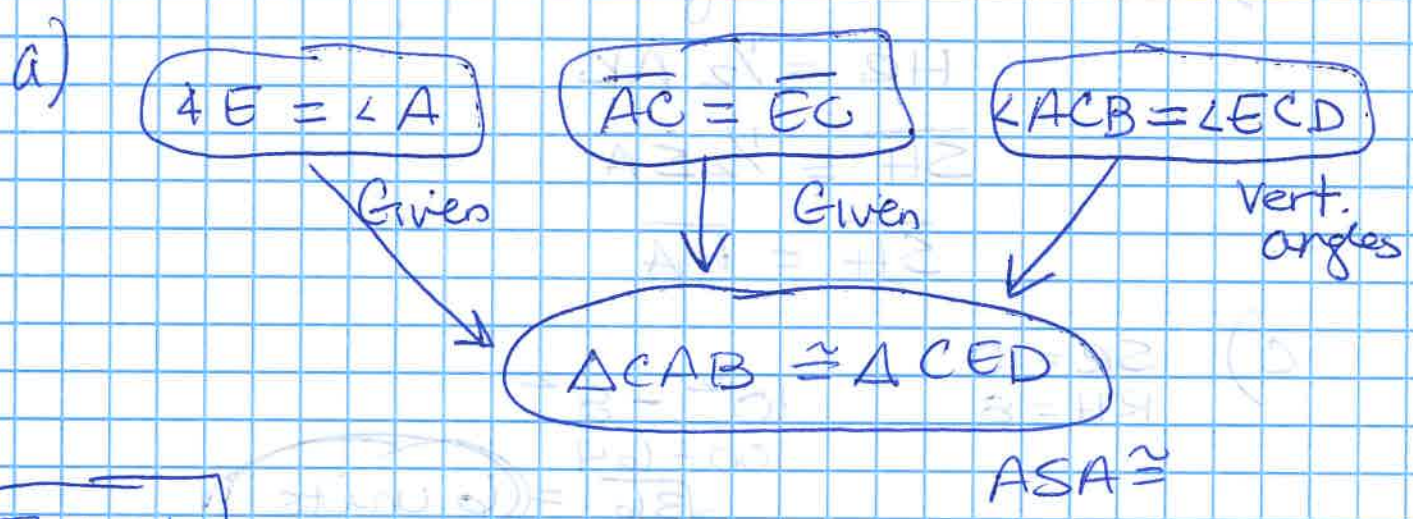
a)  $\triangle CED$   
ASA  $\cong$   
vertical angles

b)  $\triangle EFG$   
SAS  $\cong$

c)  $\triangle HIJ \cong \triangle KJL$   
SAS  $\cong$   
reflexive  
 $HI + IJ = JK + LJ$

d) Not enough info

7-123



7-124

No Step 3 is out of order  
haven't established c's relationship yet

7-125

a) quadrilateral w/ 4 equal sides

b) quadrilateral w/ one pair of opposite sides  $\parallel$