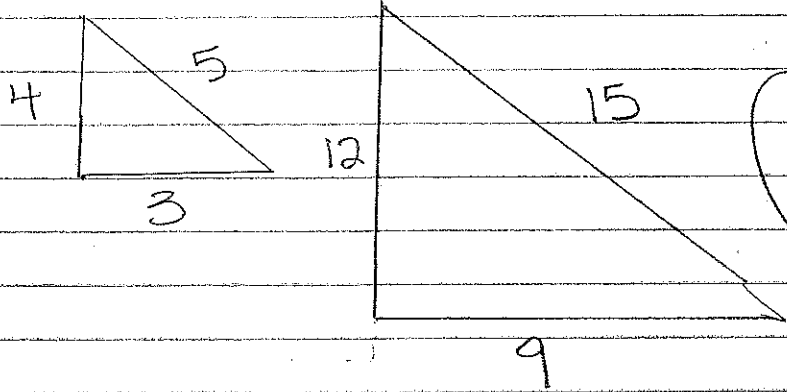
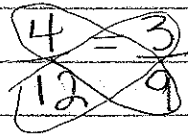


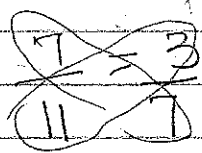
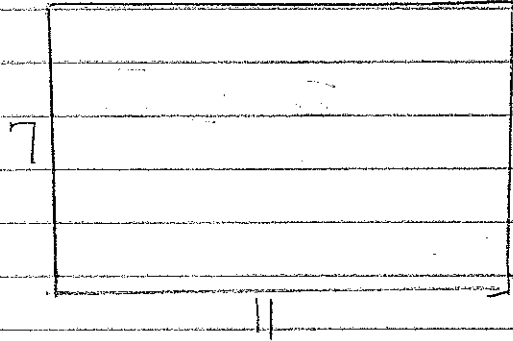
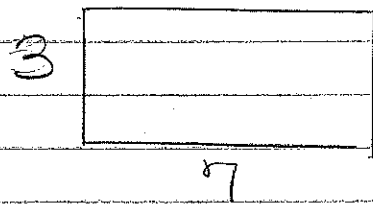
# 7.4 Similar Polygons



Remember:  
• Sides proportional  
• Angles equal

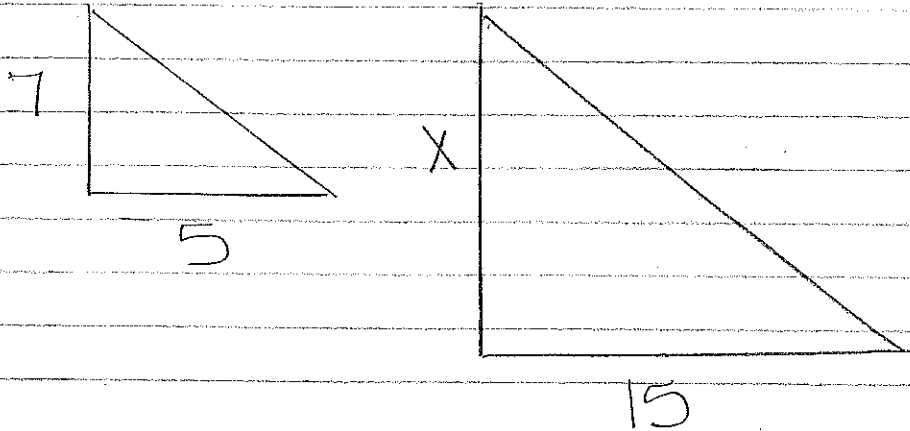


$36 = 36$



$49 \neq 33$

# FIND MISSING SIDES



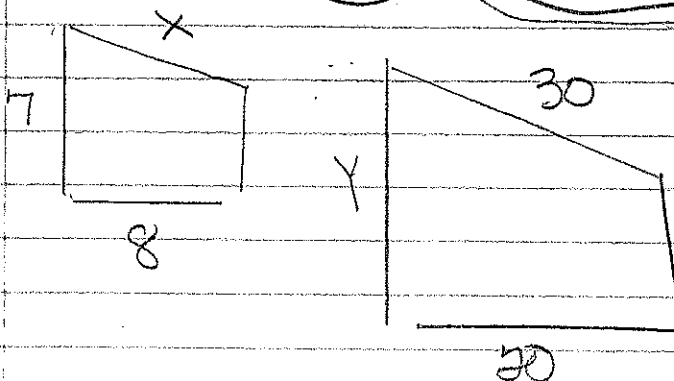
To Find  $x$ , start w/a fraction you know.

$$\frac{5}{15} = \frac{7}{x}$$

$$5x = 105$$

$$\frac{5x}{5} = \frac{105}{5}$$

$$x = 21$$



$$\frac{8}{20} = \frac{x}{30}$$

$$240x = 20x$$

$$12 = x$$

$$\frac{8}{20} = \frac{7}{y}$$

$$8y = 140$$

$$y = 17.5$$