Chap 1 Sec 5

Pg 9

1) $\frac{9}{5} = \frac{63}{x}$

$9x = 315$

$\frac{9x}{9} = \frac{315}{9}$

$x = 35$

2) $\frac{15}{z} = \frac{4}{8}$

$120 = 4z$

$\frac{120}{4} = \frac{4z}{4}$

$30 = z$

3) $\frac{3}{9} = \frac{m}{2}$

$6 = 9m$

$\frac{6}{9} = \frac{9m}{9}$

$\frac{2}{3} = m$

4) $\frac{h}{7} = \frac{16}{6}$

$6h = 112$

$\frac{6h}{6} = \frac{112}{6}$

$h = \frac{56}{3}$

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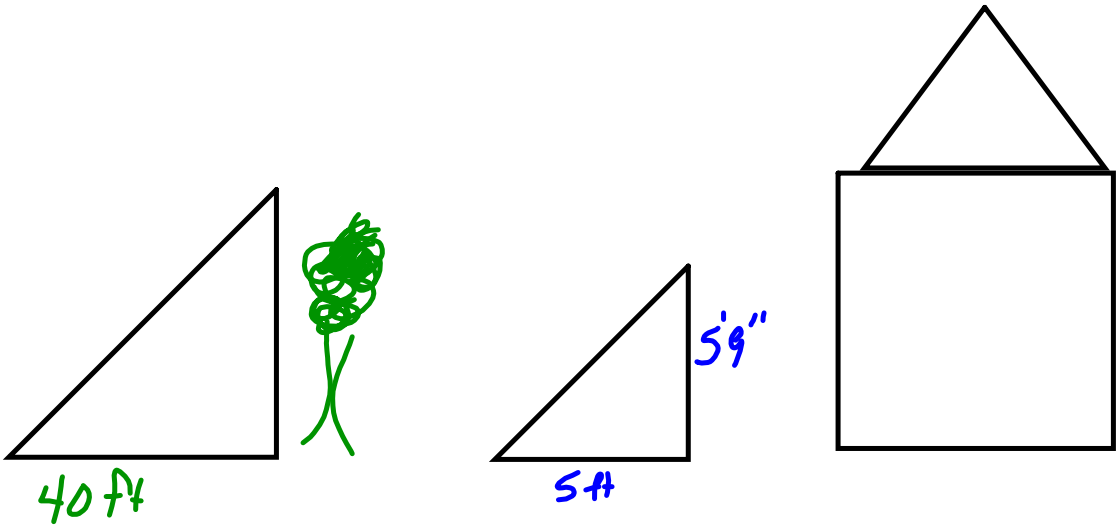
5)



$$\frac{x}{40'} = \frac{5'9''}{5'}$$

$$\frac{12x}{12(40)} = \frac{12(5)+9}{12(5)}$$

$$\frac{12x}{480} = \frac{69}{60}$$

$$(12x)(60) = (480)(69)$$

$$\frac{12x}{12} = \frac{(8)69}{12}$$

changed from inches to feet

$$x = \frac{2(69)}{3}$$

$$x = 2(23)$$

$$x = 46'$$

7) 5.3 yd = 190.80 in

(5)(36) + (.3)(36)

180 + 10.8

190.80

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