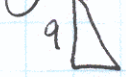
5-5-2 page 2

g 5mi & 9mi



$5^2+9^2=c^2$

$106=c^2$

$10.30\text{mi}=c$

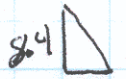
1yrd & 8yrd

$1^2+8^2=c^2$

$65=c^2$

$8.06\text{yd}=c$

8.4 furlong & 6.2 furlongs

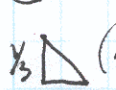


$8.4^2+6.2^2=c^2$

$109=c^2$

$10.44\text{ furlong}=c$

h 1/3 ft & 1/3 ft



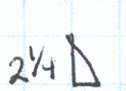
$(1/3)^2+(1/3)^2=c^2$

$1/9+1/9=c^2$

$2/9=c^2$

$0.47=c$

2 1/4 in & 7/8 in



$(2\frac{1}{4})^2+(\frac{7}{8})^2=c^2$

$(\frac{9}{4})^2+(\frac{7}{8})^2=c^2$

$\frac{81}{16}+\frac{49}{64}=c^2$

$2.41\text{in}=c$

1/2 ft & 3/4 ft

$(1/2)^2+(3/4)^2=c^2$

$1/4+9/16=c^2$

$13/16=c^2$

$0.90\text{ft}=c$

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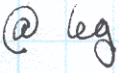
a leg 4in hyp. 5in



$a^2+4^2=5^2$

$a^2+16=25$

$-16\quad -16$

$a^2=9$

$a=3\text{in}$

Leg 12cm hyp. 13cm

$a^2+12^2=13^2$

$a^2+144=169$

$-144\quad -144$

$a^2=25$

$a=5\text{cm}$

Leg 72m hyp 97m

$a^2+72^2=97^2$

$a^2+5184=9409$

$-5184\quad -5184$

$a^2=4225$

$a=65\text{m}$

leg 21in hyp 29in

$21^2+b^2=29^2$

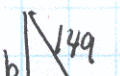
$441+b^2=841$

$-441\quad -441$

$b^2=400$

$b=20\text{in}$

b leg 51in hyp. 149in



$51^2+b^2=149^2$

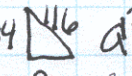
$2601+b^2=22201$

$-2601\quad -2601$

$b^2=19600$

$b=140\text{in}$

Leg 84 & hyp 116in



$a^2+84^2=116^2$

$a^2+7056=13456$

$-7056\quad -7056$

$a^2=6400$

$a=80\text{in.}$

Leg 42in & hyp 58in

$42^2+b^2=58^2$

$1764+b^2=3364$

$-1764\quad -1764$

$b^2=1600$

$b=40\text{in}$

Leg 65in & hyp 97in

$a^2+65^2=97^2$

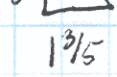
$a^2+4225=9409$

$-4225\quad -4225$

$a^2=5184$

$a=72\text{in}$

a leg 1 3/5 in hyp 3 4/5 in



$(1\frac{3}{5})^2+b^2=(3\frac{4}{5})^2$

$2.56+b^2=11.56$

$b^2=9$

$b=3\text{in.}$

Leg 0.5cm hyp. 1.3cm

$0.5^2+b^2=1.3^2$

$0.25+b^2=1.69$

$b^2=1.44$

$b=1.2\text{cm}$

Leg 3/4 in hyp 1 1/4 in

$(3/4)^2+b^2=(1\frac{1}{4})^2$

$0.5625+b^2=1.5625$

$b^2=1$

$b=1\text{in}$

Leg 0.68955m hyp 1m

$(0.68955)^2+b^2=1^2$

$b=0.72$