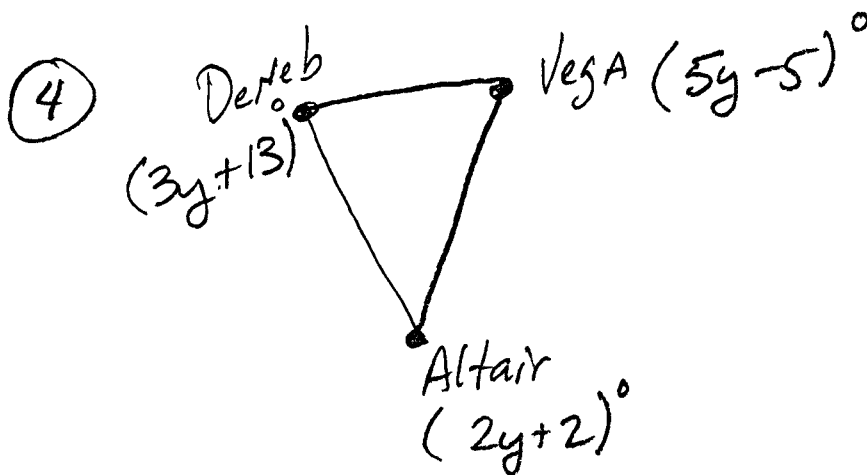


Homework Review



⑤ Find y

$$(5y-5) + (2y+2) + (3y+13) = 180$$

$$10y + 10 = 180$$

$$\frac{10y}{10} = \frac{170}{10}$$

$$y = 17$$

⑥ Each $\angle$?

$$3(17) + 13$$

$$51 + 13$$

$$64^\circ$$

Deneb

$$5(17) - 5$$

$$80^\circ$$

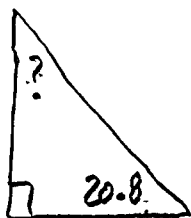
Vega

$$2(17) + 2$$

$$36^\circ$$

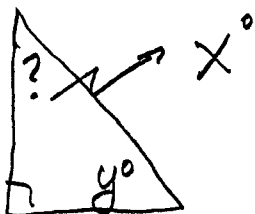
Altair

⑥



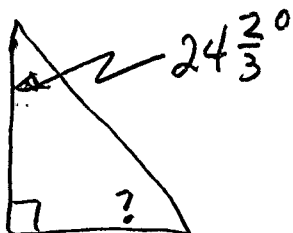
$$\begin{array}{r} 90.0 \\ - 20.8 \\ \hline 69.2^\circ \end{array}$$

⑦

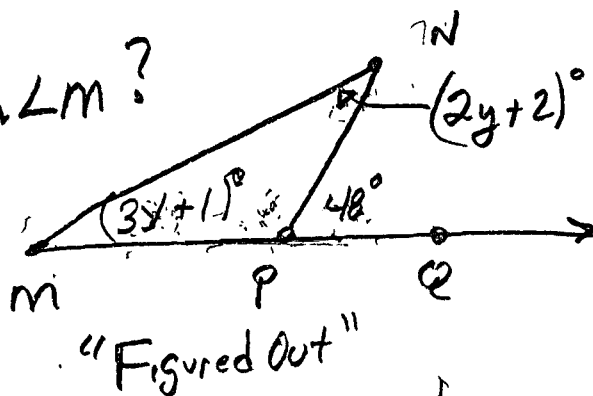


$$x = 90 - y$$

⑧



$$90 - 24\frac{2}{3} = 65\frac{1}{3}^\circ$$

⑨ $m\angle m$?

$$\angle MPN = 132^\circ$$

"EAT"

$$(3y+1) + (2y+2) + 132 = 180$$

$$5y = 45$$

$$y = 9$$

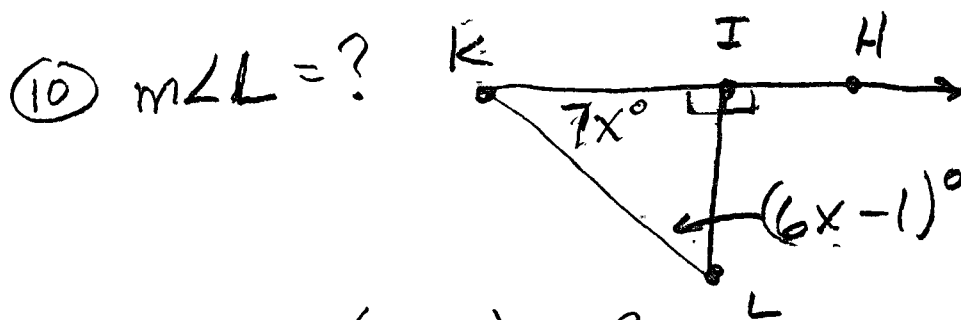
$$\therefore m\angle m = 3(9)+1$$

$$m\angle m = 28^\circ$$

$$(3y+1) + (2y+2) = 48$$

$$5y = 45$$

$$y = 9$$



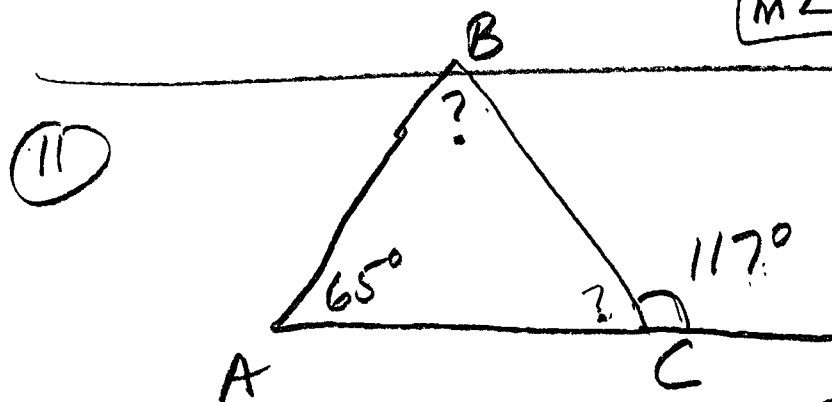
$$7x + (6x - 1) = 90$$

$$\frac{13x}{13} = \frac{91}{13}$$

$$x = 7$$

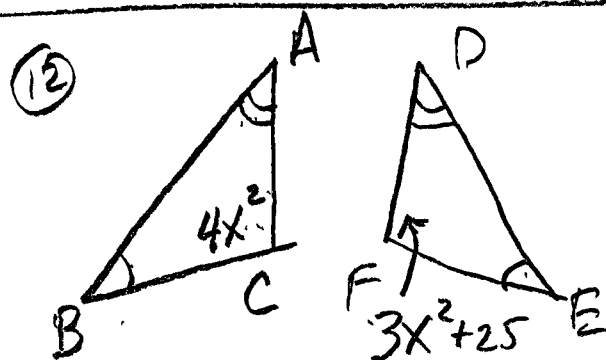
$$\therefore m\angle L = 6(7) - 1$$

$$m\angle L = 41^\circ$$



$$m\angle BCA = 63^\circ$$

$$m\angle B = 52^\circ$$



$$m\angle A = m\angle D$$

$$m\angle B = m\angle E$$

$$\therefore m\angle C = m\angle F$$



$$4x^2 = 3x^2 + 25$$

$$x^2 = 25$$

$$x = \pm 5$$

$$x = 5$$

$$4(5)^2 = 100^\circ$$

$$x = 5$$