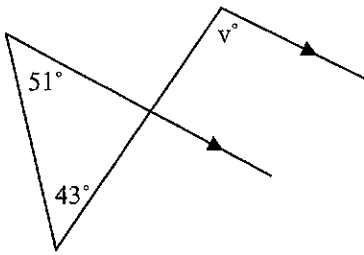


Key

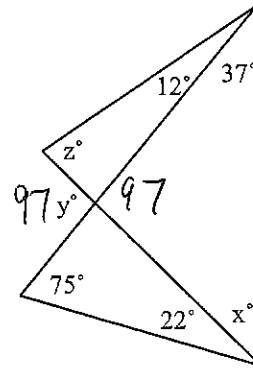
Finding Angles Within Parallel Lines and Triangles

1.)



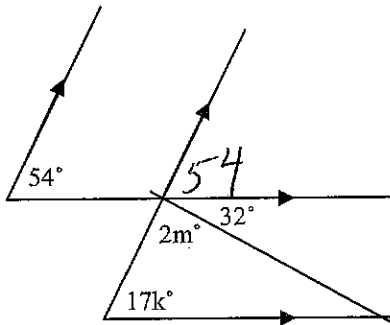
$$v = \underline{86}$$

2.)



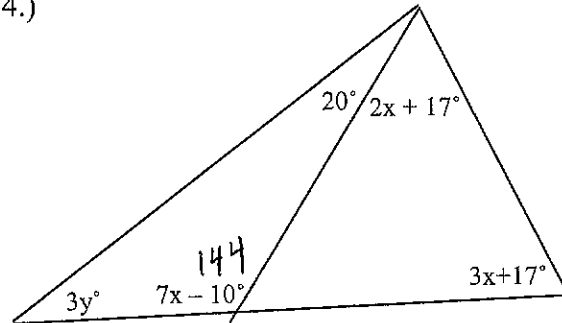
$$\begin{aligned} z &= \underline{85} \\ x &= \underline{46} \\ y &= \underline{97} \end{aligned}$$

3.)



$$\begin{aligned} m &= \underline{47} \\ k &= \underline{3.2} \end{aligned}$$

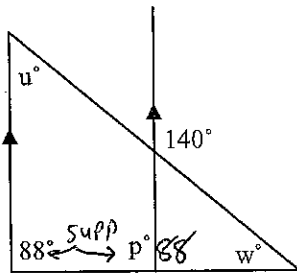
4.)



$$\begin{aligned} 3y + 164 &= 180 & x &= \underline{22} \\ 3y &= 16 & y &= \underline{5\frac{1}{3}} \\ y &= 5.3 \end{aligned}$$

$$\begin{aligned} 7x - 10 &= 2x + 17 + 3x + 17 \\ 7x - 10 &= 5x + 34 \\ 2x &= 44 \\ x &= \underline{22} \end{aligned}$$

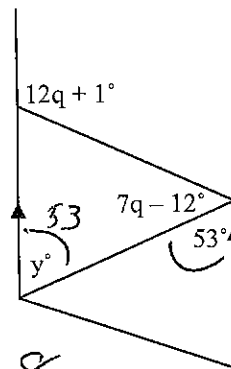
5.)



$$\begin{aligned} p &= \underline{92} \\ u &= \underline{40} \\ w &= \underline{52} \end{aligned}$$

triangle
 $w + 88 + u = 180$
 $52 + 88 + u = 180$
 $u = 40$

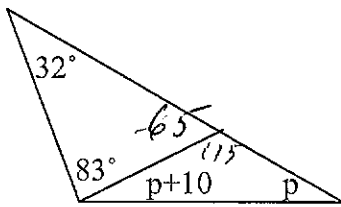
6.)



$$\begin{aligned} q &= \underline{8} \\ y &= \underline{53} \text{ alt int } \angle's \end{aligned}$$

$$\begin{aligned} 12q + 1 &= 7q - 12 + 53 \\ 5q &= 40 \\ q &= \underline{8} \end{aligned}$$

7.)

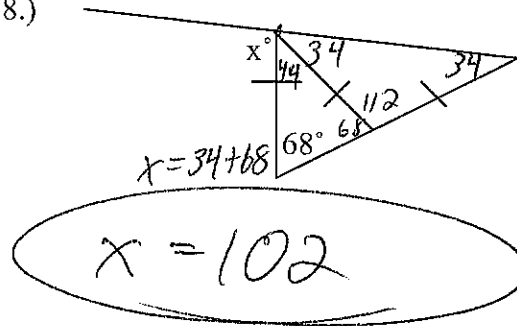


$$65 = 2p + 10$$

$$55 = 2p$$

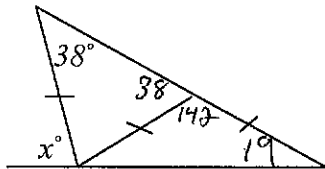
$p = 27.5$

8.)



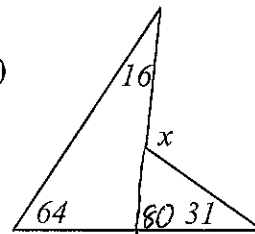
$$x = 102$$

9.)



$x = 57$

10.)



$$x = 80 + 31$$

$x = 111$