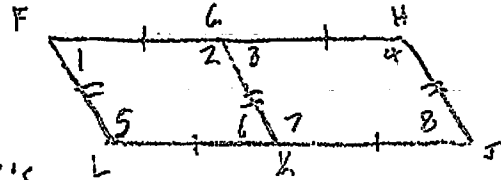


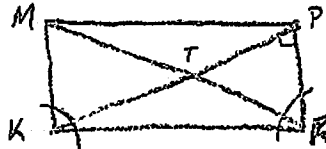
30) $SP = 2b^2$
 $2(x^2) + 2(x) = 34$
 $2x^2 + 2x - 34 = 0$
 $2(x^2 + x - 17) = 0$
 $2(x+7)(x-6) = 0$
 $x = 6$

$SP = QR = 36$
 $RS = PQ = 6$

31) $\angle 1 \cong \angle 6 \cong \angle 3 \cong \angle 8$
 $\angle 1$ IS SUPPLEMENTARY
 TO ALL THE OTHER \angle 'S



- 32) $\angle MPR \cong \angle MKR$
 33) $\angle PRK \cong \angle PML$
 34) $\overline{MT} \cong \overline{RT}$
 35) $\overline{PR} \cong \overline{MK}$
 36) $\overline{MP} \parallel \overline{KR}$
 37) $\overline{MK} \parallel \overline{PR}$
 38) $\angle MPK \cong \angle RPK$
 39) $\angle MTK \cong \angle PTR$
 40) $m\angle MKR + m\angle PRK = 180$

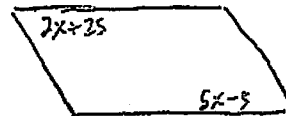


$\square KMPR$

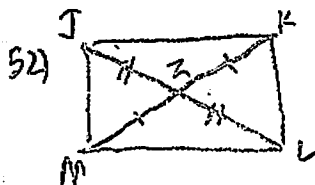
41) $x = 119$
 $y = 61$
 $z = 119$

42) $x = 40$
 $y = 37$
 $z = 53$

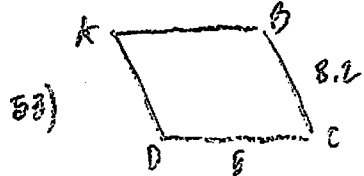
43) $x = 24$
 $y = 50$
 $z = 50$



51) $3x + 25 = 5x \rightarrow$
 $2x = 30$
 $x = 15$ A



$JL = 2Jz$
J



$P = 2(5) + 2(8.2)$
 $= 10 + 16.4 = 26.4$ A

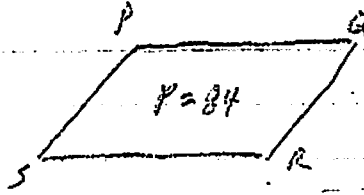
$$27) PO = QR$$

$$2(PO) = 2(QR) = 84$$

$$4PQ = 84$$

$$PQ = 21$$

$$PS = PQ = QR = RS$$



$$RS = PQ = 17.5$$

$$PS = QR = 24.5$$

$$28) QR = 3(x-5)$$

$$2(x) + 2(3x) = 94$$

$$8x = 94$$

$$x = 11.75$$

$$QR = PS = 31.5$$

$$PQ = RS = 19.5$$

$$29) RS = 5x - 7$$

$$2(x) + 2(x-7) = 84$$

$$2x + 2x - 14 = 84$$

$$4x = 98$$

$$x = 24.5$$