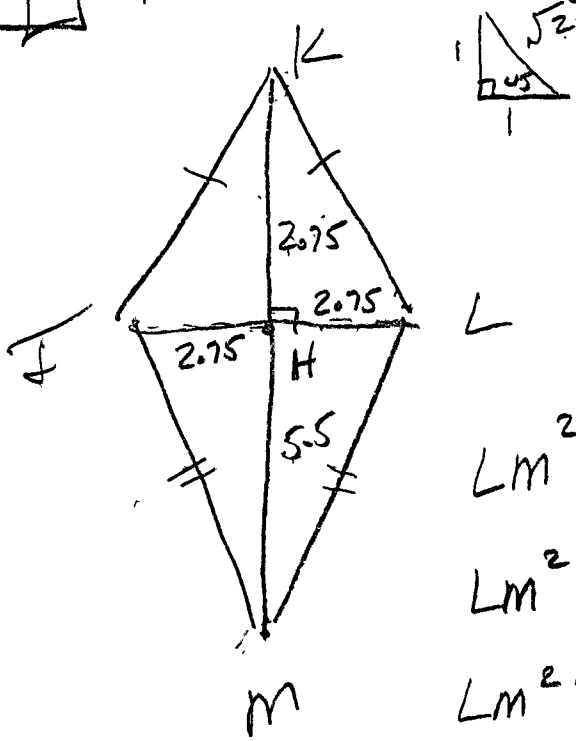
Geometry Tues. 3-12-13 CLASS NOTES

3.



$\overline{KL} = 2.75\sqrt{2}$

$\overline{KL} = 3.88$

$Lm^2 = 5.5^2 + 2.75^2$

$Lm^2 = 30.25 + 7.56$

$Lm^2 = 37.81$

$Lm = 6.1491$

$P = 2(3.88) + 2(6.1491)$

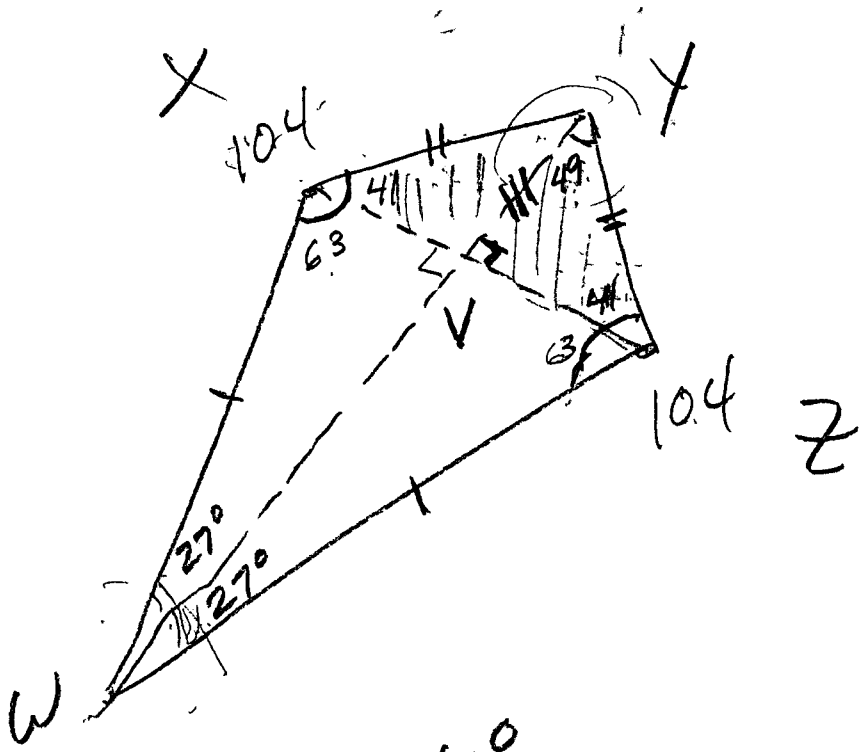
$P = 20.058 \approx 20.1$ IN

Two, 3 ft. lengths of lead

$2(36) = 72$ in.

Make $\frac{72}{20.1} = 7$

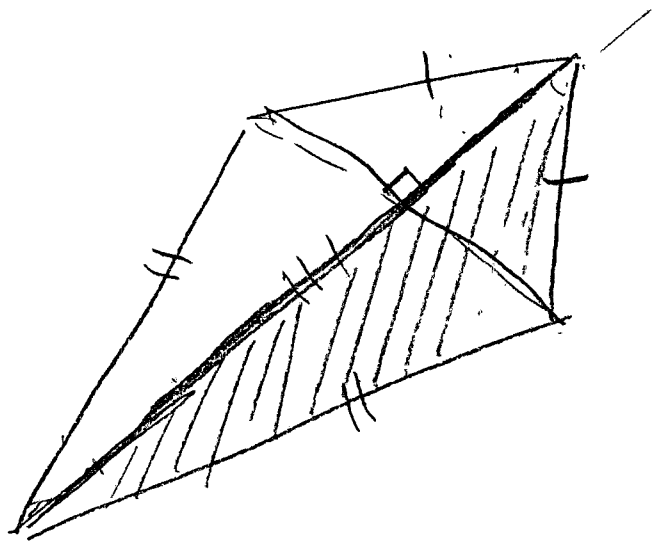
MAKE 3 SUNCATCHERS



④ $m\angle VZY = 41^\circ$

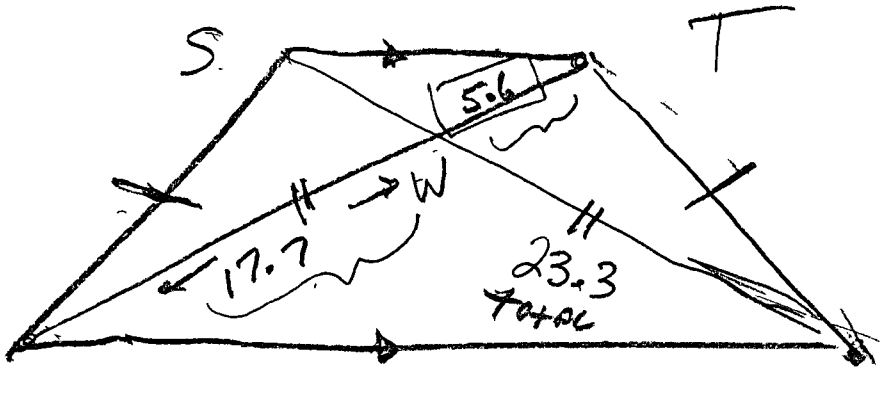
⑤ $m\angle VXW = 63^\circ$

⑥ $m\angle XWZ = 54^\circ$



SSS ⇒
CPCTC

(8)



$$\begin{array}{r} 23.3 \\ -17.7 \\ \hline 5.6 \end{array}$$

$\overline{TW} = 5.6$

(9) $12z^2 = 7z^2 + 20$

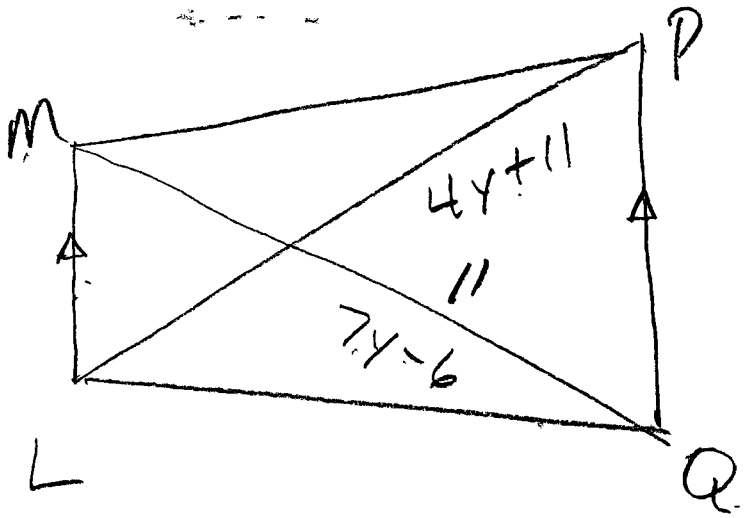
$5z^2 = 20$

$z^2 = 4$

$z = \pm 2$

$12z^2 = (7z^2 + 20)$

(10)



$7y - 6 = 4y + 11$

$3y = 17$

$\boxed{y = \frac{17}{3}}$ or $5\frac{2}{3}$

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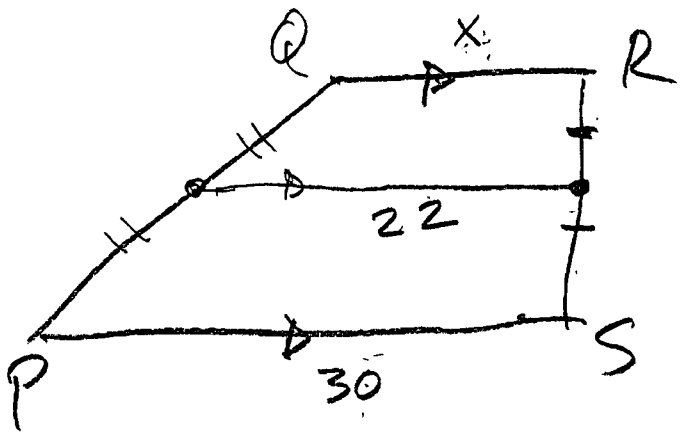
(11)



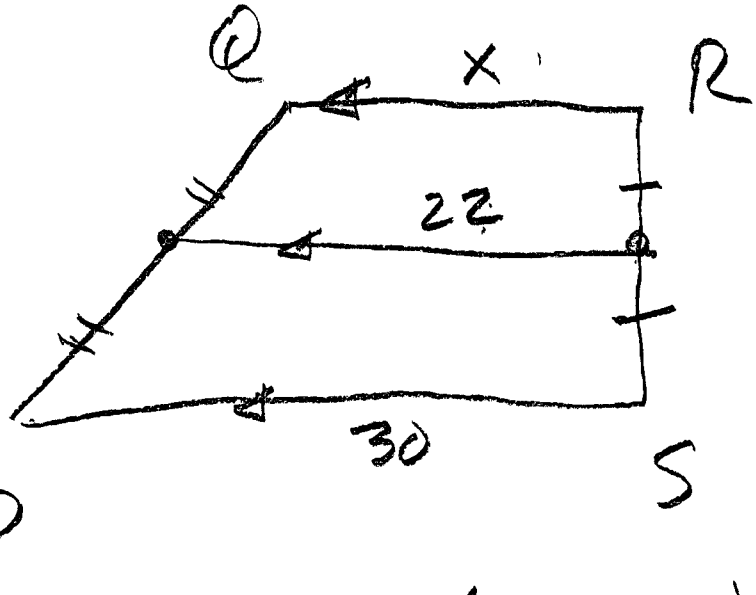
$QR = ?$

$\frac{30 + x}{2} = 22$

$30 + x = 44$

$\boxed{x = 14}$

(11)



$$\text{Midsegment} = \frac{1}{2}(b_1 + b_2)$$

$$\boxed{x = 14}$$

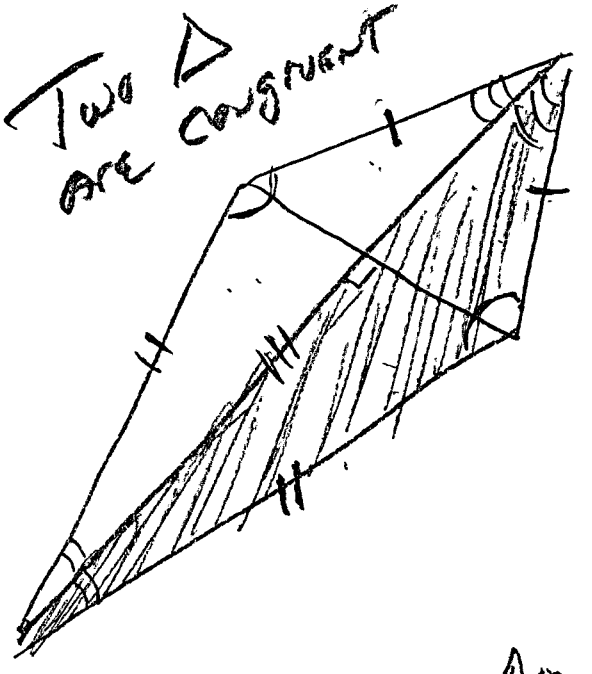
Algebra

$$\frac{30+x}{2} = 22$$

$$30 + x = 44$$

$$\boxed{x = 14}$$

Two △ are congruent



SAS

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CPCTC

Any Trapezoid