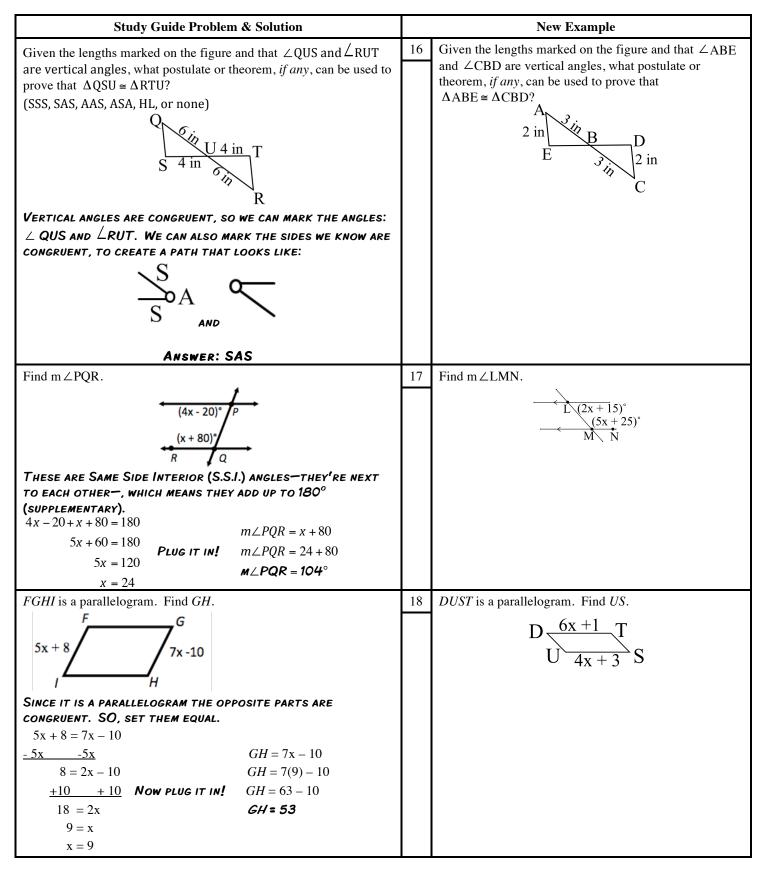
Example Sheet 2



Find the value of x. Express your answer in simplest radical form. $a^{2} + b^{2} = c^{2} \qquad \sqrt{20} = x$ $2^{2} + 4^{2} = x^{2} \qquad \sqrt{4}\sqrt{5} = x$ $4 + 16 = x^{2} \qquad 2\sqrt{5} = x$ $20 = x^{2} \qquad x = 2\sqrt{5}$ Find the area of the figure. $x - 7 \qquad x - 3 \qquad A = \frac{bh}{2}$ $A = \frac{bh}{2}$ $A = \frac{(8)(x - 7)}{2}$ $A = 4(x - 7)$ $A = 4x - 28$	20	Find the value of x. Express your answer in simplest radical form. $ \begin{array}{r} x \\ 6 \\ \hline 9 \end{array} $ Find the area of the figure. $ \begin{array}{r} 2x \\ \hline x \\ \hline x \\ \hline x \\ \hline x \\ \hline \end{array} $ 5
Find the circumference of the circle. Use 3.14 for $\pi$ , and round your answer to the nearest tenth. $C = 2\pi r$ $C = 2(3.14)(6)$ $C = 6.28(6)$ $C \approx 37.68$ $C \approx 37.7 \text{ cm}$ Given that $\triangle PQR \cong \triangle LMR$ and $m \angle M = 42^{\circ}$ , find $m \angle PRQ$ . This triangle is missing and subtract from 180°. 90° 180° $\pm 42^{\circ} - 132^{\circ}$ 132° 48° $m \angle PRQ = m \angle LRM$ $m \angle LRM = 48^{\circ}$ (BECAUSE THEY'RE VERTICAL)	21	Find the circumference of the circle. Use 3.14 for $\pi$ , and round your answer to the nearest tenth. Given that $\Delta CRH \cong \Delta AIH$ , $m \angle A = 70^{\circ}$ , and $m \angle R = 60^{\circ}$ find $m \angle CHR$ . CHING A
$M \angle PRQ = 48^{\circ}$ Identify one pair of each of the following: a) Parallel Segments $LQ \parallel MR; OT \parallel NS; LM \parallel QR; ON \parallel TS$ b) Perpendicular Segments $LQ \perp LM; MN \perp NS; OT \perp OP$ c) Skew Segments $LM \& NS; OP \& UR; QR \& OT$ P $M \downarrow T_{W} = S$ O N	23	Identify one pair of each of the following: a) Parallel Segments b) Perpendicular Segments c) Skew Segments I = I = I = I = I = I = I = I = I = I =

