TATION

Use the Law of Syllogism (Chain of Reasoning) to draw a conclusion.

$$h \rightarrow b$$

If her mom is happy, then Sally goes to bed early. If Sally eats an apple, then her mom will be happy. If Sally goes to bed early, then she will not get sick.

(Chapter 2)

h→b b -> 15

 $a \rightarrow h$

If Sally eats an apple, then she will not get sick.

Station 2

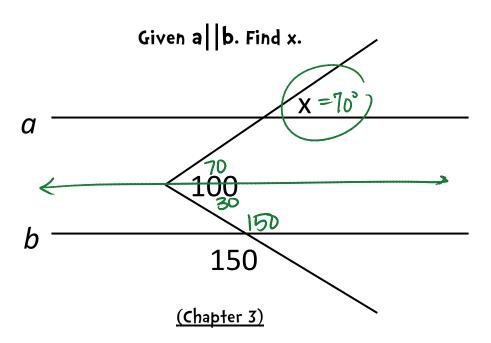
The measure of an angle is)6 more than twice the measure of the supplement. Find the measure of the supplement of the angle.

$$\times = 2(180 - x) + 6$$
(Chapter 2)

$$X = 340 - 2x + 6$$

$$3x = 366$$

$$supp = 180 - 122$$





Are the lines parallel, perpendicular, or neither:

The lines parallel, perpendicular, or neither:

$$5x - 4y = 10$$
 and $5y = -4x + 6$
 $-4y = -5x + 10$
 $y = -\frac{4}{5}x + \frac{6}{5}$
 $y = \frac{5}{4}x - \frac{5}{2}$
 $y = \frac{5}{4}x - \frac{5}{2}$
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 $y = \frac{4}{5}x + \frac{6}{5}$
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Station 5

Given:
$$\angle T = (2x+6)^{\circ}$$

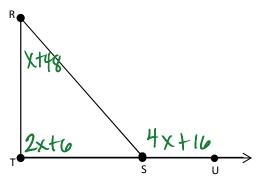
$$\angle RSU = (4x+16)^{\circ}$$

 $\angle R = (x+48)^{\circ}$

Find: $m \angle T$

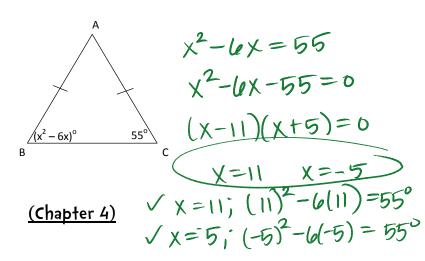
$$mLT = 2(38) + 6$$

- $76 + 6$
 $mLT = 82°$

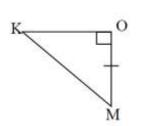


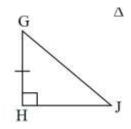
(Chapter 4)

Given : $\overline{AB} \cong \overline{AC}$. Solve for x.



Identify the additional pair of corresponding sides or angles needed to support the method for proving triangles congruent.





by SAS KO = JH

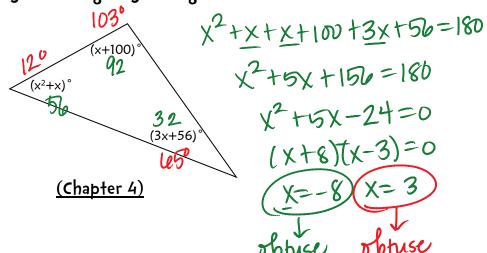
by HL Km & JG

Name the congruent triangles: $\triangle OMK \stackrel{\sim}{=} \triangle HGJ$

(Chapter 4)

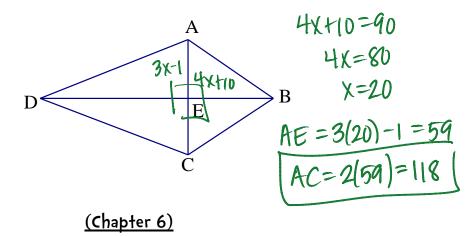


Classify the triangle by its angle measures.



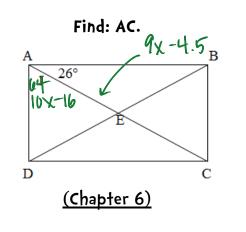
Given ABCD is a kite with $\overline{AB} \cong \overline{BC}$.

AE = 3x - 1 and \angle AEB = 4x + 10, what is AC?





Given: ABCD is a rectangle, $\angle 1 = (10x - 16)$ and AE = 9x - 4.5



$$\begin{array}{r}
10 \times -16 = 64 \\
+16 + 16 \\
\hline
10 \times = 80 \\
\times = 8 \\
AE - 9(8) - 4.5 = 67.5 \\
AC = 2(675) = 135
\end{array}$$

Parallelogram Kite Trapezoid
Rectargle Rhombus 180s. trap

Square Draw the quadrilateral tree!

* Know the Properties!!! *