Pg. 130 (4-10)

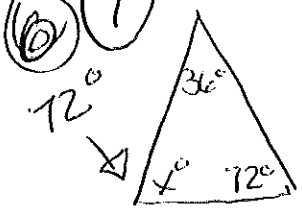
4-5

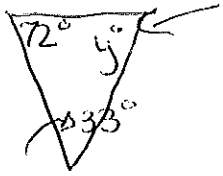
* make sure triangles are proportional
  - will review in class

4. 6

* Both triangles have $39° + 34°$
  so, third $\measuredangle$ angle $= 107°$

6 7





$75°$

Yes

* different angles in both, so you can't use the trick

$36 + 72 = 108$

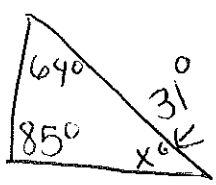
$180 - 108 = 72°$

$72 + 33 = 105$

$180 - 105 = 75°$

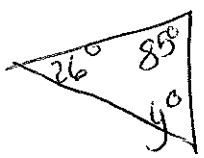
NO

8



$64 + 85 = 149$

$180 - 149 = 31$



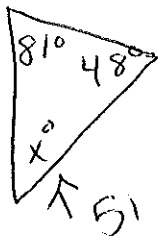
NO

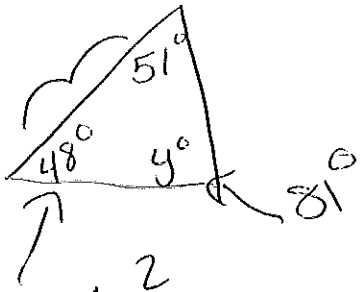
* different angles, so calculate it

$26 + 85 = 111$

$180 - 111 = 69$

9

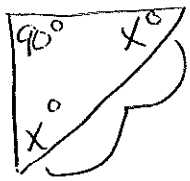




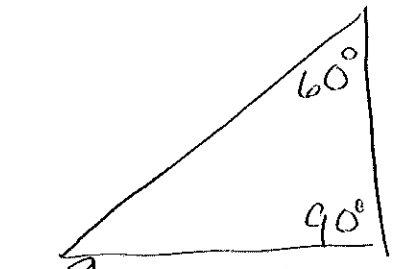
same 2 angles, so 81°

$$\begin{array}{r} 81 \\ 48 \\ \hline 129 \end{array} \qquad \begin{array}{r} 180 \\ -129 \\ \hline 51 \end{array}$$

10



must equal 90° together, so 45° each



30°

$$\begin{array}{r} 90^\circ \\ +\ 60^\circ \\ \hline 150^\circ \end{array}$$

$$\begin{array}{r} 90 \\ 45 \\ \hline 135 \end{array}$$

so 45°

* 1 + 3 are similar