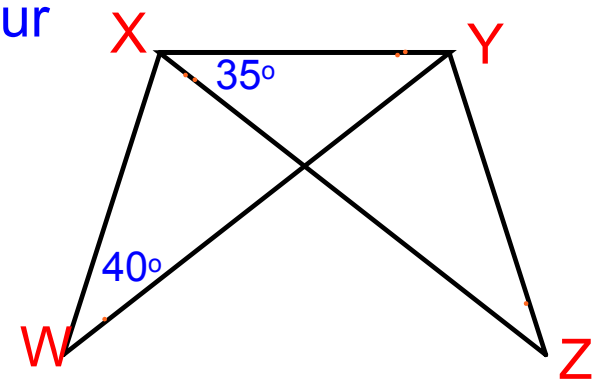
Exit Ticket:

must be attempted before you leave class, if you want your points.

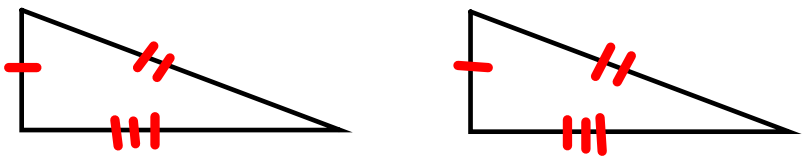
Find m<YXW



Chapter 4.3: Prove Triangles Congruent by SSS(Side-Side-Side)

Axiom 19: Side-Side-Side Congruence

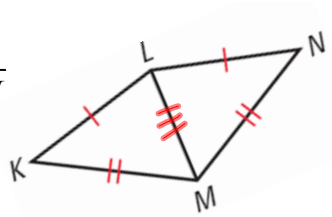
If three sides of one triangle are congruent to three sides of another triangle then the two triangles are congruent.



ex. Write a Proof

Given: $\overline{KL} \cong \overline{NL}, \overline{KM} \cong \overline{NM}$

Prove: $\Delta KLM \cong \Delta NLM$



Statements	Reasons
1) $\overline{KL} \cong \overline{NL}$, $\overline{KM} \cong \overline{NM}$	1) given
2) $\overline{LM} \cong \overline{LM}$	2) Reflexive
3) $\Delta KLM \cong \Delta NLM$	3) SSS

- Extra

4) $\angle KLM \cong \angle NLM$ 4) CPCTC

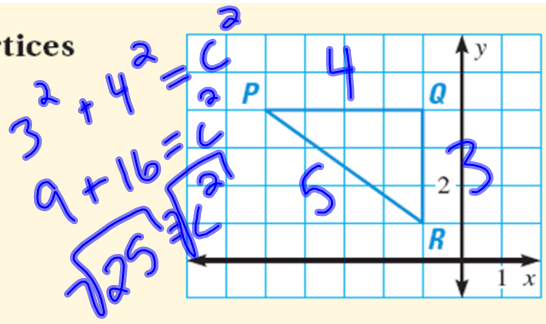
Which are the coordinates of the vertices of a triangle congruent to $\triangle PQR$?

(A) $(-1, 1), (-1, 5), (-4, 5)$

(B) $(-2, 4), (-7, 4), (-4, 6)$

(C) $(-3, 2), (-1, 3), (-3, 1)$

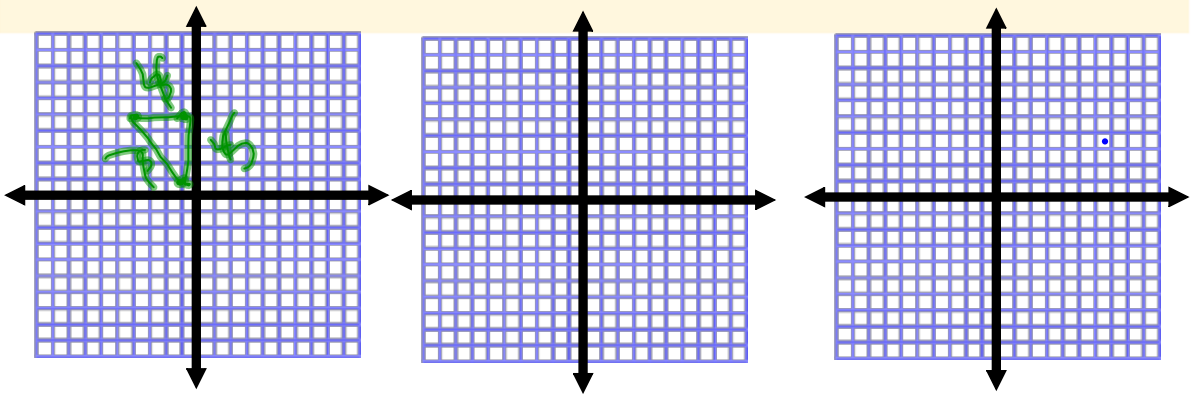
(D) $(-7, 7), (-7, 9), (-3, 7)$



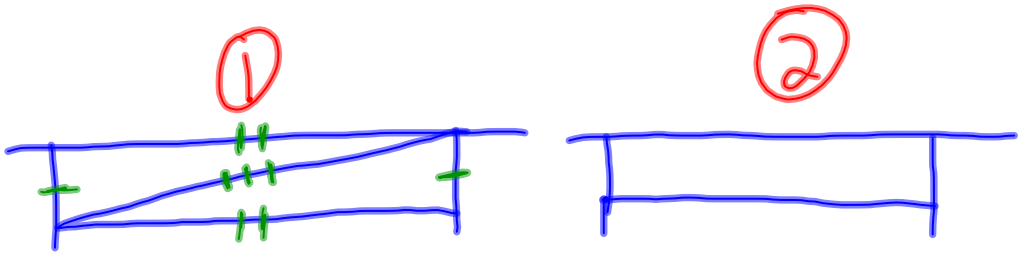
$3^2 + 4^2 = c^2$

$9 + 16 = c^2$

$\sqrt{25} = c$

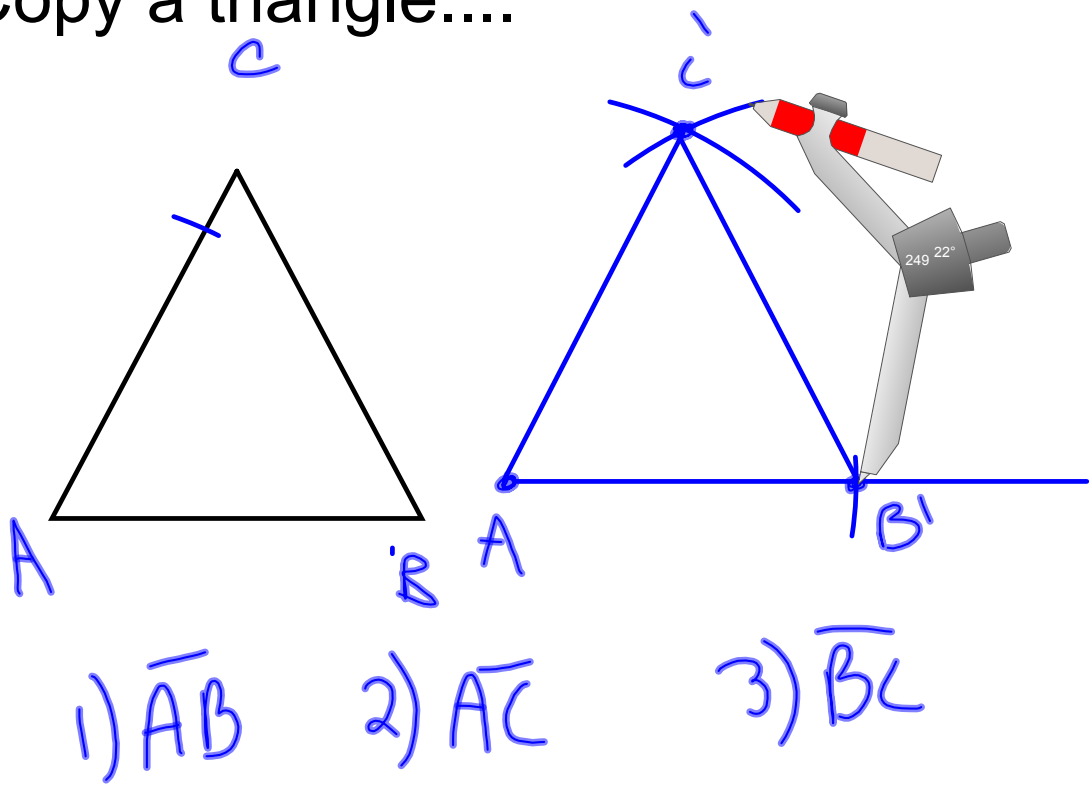


ex. Explain which bench would be more stable.



Homework: Chapter 4.3 pg.236
#'s 3-6,10,15,18,24,26

Copy a triangle....



Copy a triangle....