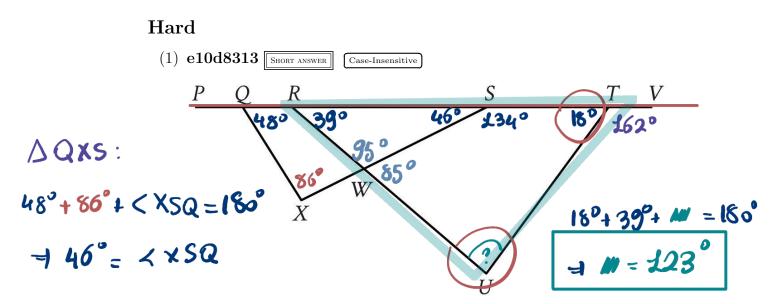
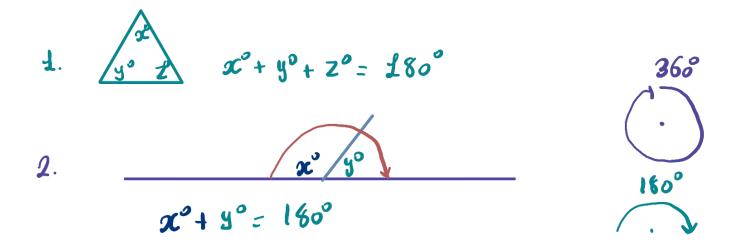
02<sup>nd</sup> December

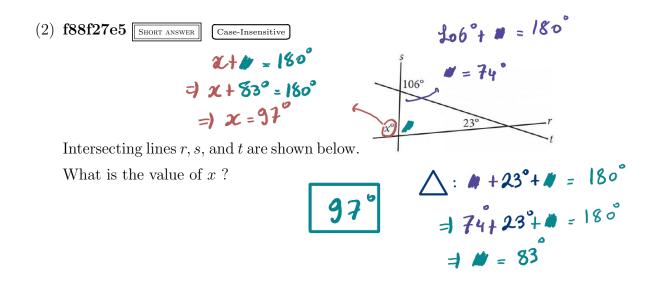
Completed Exercises from the lecture on Khines, Angles & Triangles?

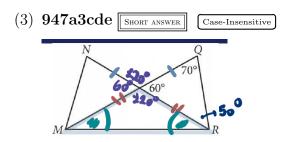
- L. Hard, Pages 2-6;
- Can be found below.



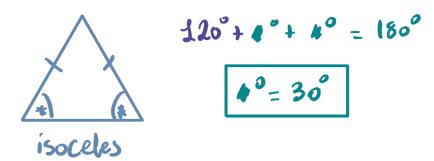
Note: Figure not drawn to scale. In the figure shown, points Q, R, S, and T lie on line segment PV, and line segment RU intersects line segment SX at point W. The measure of  $\angle SQX$  is 48°, the measure of  $\angle SXQ$  is 86°, the measure of  $\angle SWU$  is 85°, and the measure of  $\angle VTU$  is 162°. What is the measure, in degrees, of  $\angle TUR$ ?



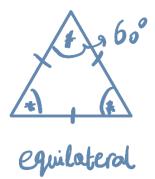


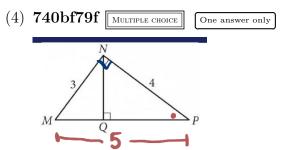


In the figure above,  $\overline{MQ}$  and  $\overline{NR}$  intersect at point P, NP = QP, and MP = PR. What is the measure, in degrees, of  $\angle QMR$ ? (Disregard the degree symbol when gridding your answer.)



$$\Delta ABC \cong \Delta DEF AB = DE$$
  
*congruent*



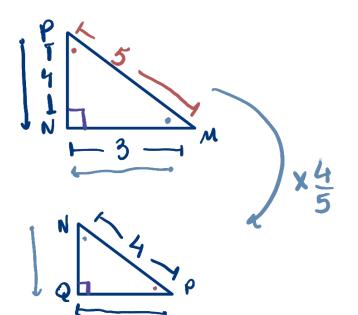


In the figure above, what is the length of  $\overline{NQ}$  ?

30







 $\overline{NM} \times C = \overline{NQ}$  $3 \times \frac{4}{5} = \overline{NQ} = 2.4$ 

