Solving Triangles

Date: May 31/25/D

To solve a triangle means to determine the lengths of all unknown sides and the measures of all unknown angles.

Useful tools:



- Primary Trig Ratios (sine, cosine, tangent)
- Pythagorean Theorem
- Angle Sum Theorem (=180°)
- Sine Law
- Cosine Law

May 18 - 1:46 PM

Use the Sine Law given:



- two sides and an angle to find a second angle (SSA)
- two angles and a side to find a second side
 (AAS)



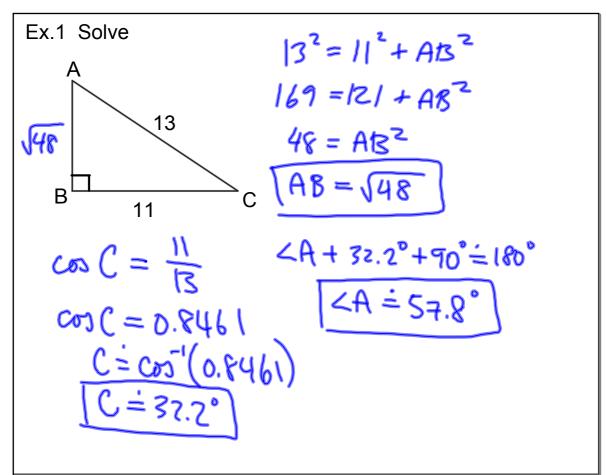
Use the Cosine Law given:

two sides and the <u>contained angle</u> to find the third side

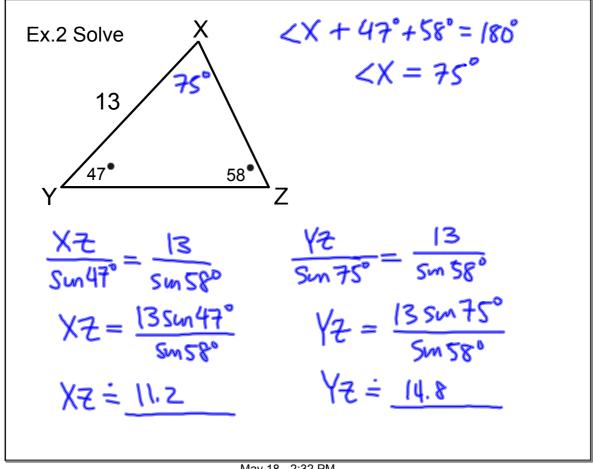


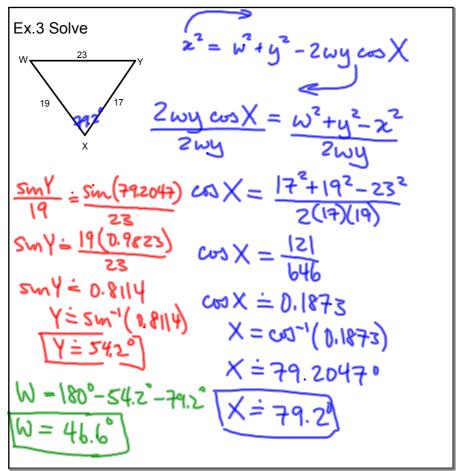
three sides, and find any angle



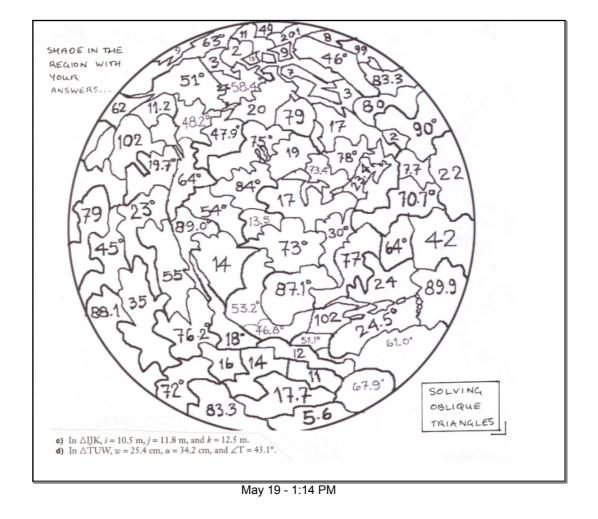


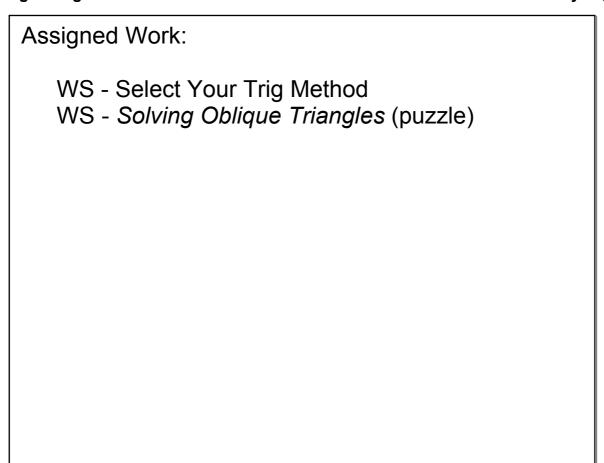
May 18 - 2:28 PM





May 18 - 2:36 PM





May 18 - 2:38 PM