

Geometry - Intro to Proofs

YAY MATH!

Students will be able to complete the following problems after watching the video:

What properties are demonstrated by the following statements?

$$80 = \angle A, \text{ so } \angle A = 80$$

$$7x = 28, \text{ so } x = 4$$

$$RS = TU, TU = YP, RS = YP$$

$$VR + TY = EN + TY$$

$$VR = EN$$

$$\angle 1 = \angle 2$$

$$\angle 1 = 30$$

thus,

$$\angle 2 = 30$$

Given: $8x-5 = 2x+1$

Prove: $x = 1$

Statements	Reasons

Given: $\overline{PQ} = \overline{QS}$, $\overline{QS} = \overline{ST}$

Prove: $PQ = ST$

Statements	Reasons