

Geometry

Unit 3.1 – Into to Proofs / Algebraic Proofs

Name: _____

Standard: LP.1 / LP.4

I Can...

- State/Identify/Use the different properties of equality
- Set up and complete an algebraic proof

Items in bold should be turned in to me or placed in your binder.

_____ **video notes**

_____ **properties ws**

_____ **algebraic proof ws**

_____ extra video

_____ extra ws

_____ pre-mc

_____ **mastery check**

PRE-MC:

State the property that justifies each statement.

1. If $a+10=20$, then $a=10$
2. If $4x-5=x+12$, then $4x=x+17$
3. If $m<1=25$ and $m<2=25$, then $m<1=m<2$
4. If $AB=BC$ and $BC=CD$, then $AB=CD$
5. If $x=4$, then $4=x$

Write a two-column proof for the following:

6. *Given:* $\frac{8-3x}{4} = 32$
Prove: $x = -40$