

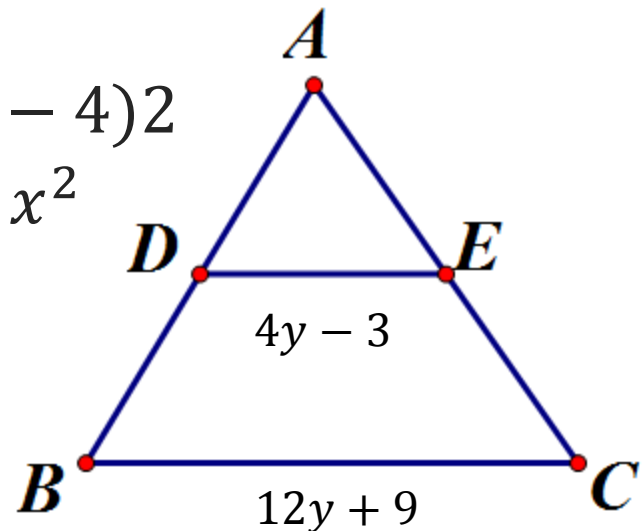
Tuesday, January 22, 2013

Agenda:

- TISK & 2 MM
- Review HW answers
- Lesson 7-6 (part I)
- Homework: Work on §7-6 problems in packet

TISK Problems

- 1) Evaluate: $6 - 315 \div (7^2 - 4)2$
- 2) Factor completely: $81 - x^2$
- 3) Find the value of y :



Homework Check

9) Plan for Proof: Using the reflexive property and corresponding angles, you can show two congruent angles in $\triangle SUV$ and $\triangle STR$. Then, by the definition of similar triangles, you have $\frac{SV}{VU} = \frac{SR}{RT}$. Next, you can use AI angles and angle bisectors to prove $\angle VUR \cong \angle VRU$, then use the isos. triangle th. to prove opp. sides \cong and replace the values in the proportion.

Homework Check

10) Plan for Proof: Prove $\triangle EKF$ and $\triangle GJF$ similar using AA (corresponding angles, vertical angles, All angles, and the transitive property). Then, the proportion follows from that statement.

11) Plan for Proof: use the def. of altitudes and perpendicular lines to prove right angles exist (and are congruent). Then use the angles that are congruent based on the given triangle similarity statements to prove the smaller triangles are similar. Then the proportion follows from that statement.

Homework Check

12) Use the reflexive property and the givens to prove the triangles similar. Then the proportion follows from that statement.