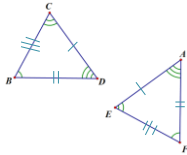


Wednesday, October 31, 2012

If you have a signed quiz to show me, please have it out as you work on your TISK problems.

TISK Problems

- 1) Evaluate: $-185 - 3(-21 + 17)^3$
- 2) Factor: $5x^2 + 30x - 80$
- 3) Write a congruence statement for the triangles given:



No Mental Math today.

§5-1 Special Segments in Triangles

- Perpendicular Bisectors
 - Def.: A segment is a perpendicular bisector of a triangle iff it passes through the midpoint of the segment and is perpendicular to the segment.
 - Theorem: A point is on the perpendicular bisector of a segment if and only if it is equidistant from the endpoints of the segment.

§5-1 Special Segments in Triangles

- Median
 - Def.: A segment is a median of a triangle iff its endpoints are a vertex and a midpoint of the side opposite that vertex.

§5-1 Special Segments in Triangles

- Altitude
 - Def.: A segment is an altitude of a triangle if and only if one of its endpoints is a vertex of the triangle and the segment is perpendicular to the side opposite that vertex.

§5-1 Special Segments in Triangles

- Angle Bisector
 - Def.: A line, segment or ray is an angle bisector if and only if it divides an angle into two congruent angles.
 - Theorem: A point is on the bisector of an angle if and only if it is equidistant from the sides of the angle.

Homework

- p. 243 #24-27, 28-31 & 34
