

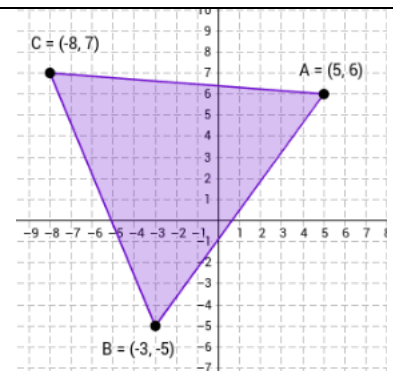
Name _____

DUE DATE: Quiz on 1/9 and 1/10

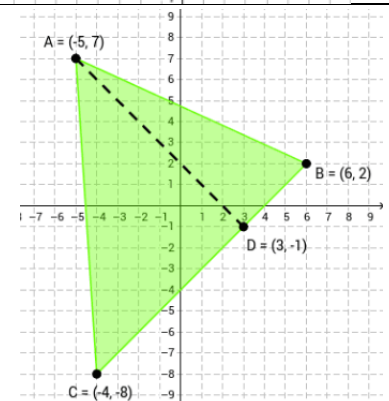
GEOMRCC Regents Review 3

Directions ☀ *There will be a 2 question quiz on these questions on the last day of class in each week. Dates are posted above!!! PRACTICE THESE and CHECK YOUR ANSWERS!*
 You will have exactly 10 minutes to complete the quiz. ☀

1) What is the slope of the altitude to \overline{BC} of $\triangle ABC$?

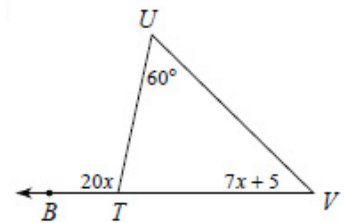


2) Verify using coordinate geometry, \overline{AD} is the altitude to base \overline{BC} of $\triangle ABC$.

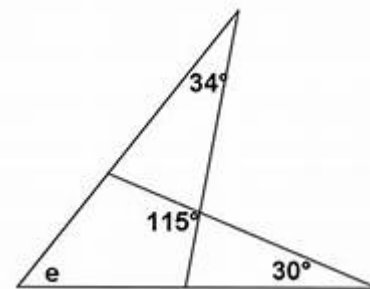


3) Find equation of perpendicular bisector to AB
 for points A(-1 , 17) B (3 , 1)

4) Solve algebraically for the value of x AND the measure of angle UTV.



5) Solve for the value of e?



Answers: 1) $\frac{5}{12}$ 2) slope BC = 1 and slope of AD is -1. Since these are negative reciprocal slopes, $\overline{AD} \perp \overline{BC}$ creating an altitude. 3) $y - 9 = \frac{1}{4}(x - 1)$
 4) $x=5$ and $m\angle UTV = 80$ 5) 51°

