

Geometry U1 – “The language of geometry” Assignment 2

Name _____

Homework Assignment

- 1) Sketch an angle bisector and list all included angles.

- 2) Write a conjecture about something that affects you in real-life.

- 3) How do you determine whether a conjecture is true or not?

- 4) AB bisects $\angle FAE$. $BF = 3x$ and $BE = x^2 + 10$. Solve for x .

Use a protractor to complete the following.

- 5) Construct a 90° angle bisected.

- 6) Construct an isosceles triangle. How do you know it is isosceles?

- 7) Construct an equilateral triangle. How is this triangle different from your isosceles triangle?