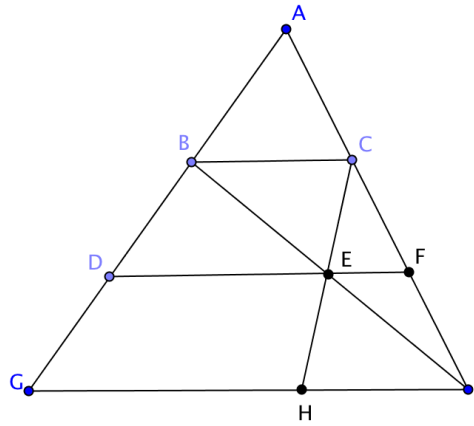


DO NOW

List all the triangles in the diagram. Use a logical method to make sure you don't miss any.

**Probability**

Probability = $\frac{\text{number of favorable outcomes}}{\text{total number of possible outcomes}}$

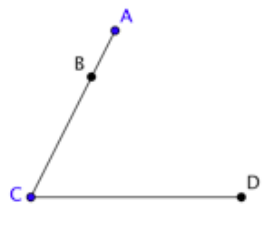
Basic Steps for Probability Problems

1) _____

2) _____

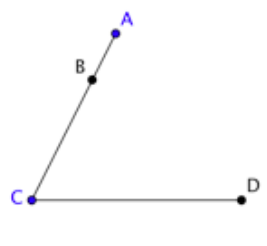
page 49 # Sample Problems #1 - 4

1) If one of the four points is picked at random, what is the probability that the point lies on the angle?



2) If two of the four points are selected at random, what is the probability that both lie on \overline{CA} ?

3) If three of the four points are selected in a random order, what is the probability that the ordered letters will correctly name the angle shown?



4) A point Q is randomly chosen on \overline{AB} . What is the probability that it is within 5 units of C?

