Use each set of line segments to sketch a triangle. If a triangle cannot be drawn, explain why.

1. Sketch:
   __________________________  __________________________
   __________________________  __________________________

2. Sketch:
   __________________________  __________________________
   __________________________  __________________________

Can each set of line segments form a triangle? Why or why not?

3. \( \overline{AB} = \frac{1}{2} \text{ mile} \)  
   \( \overline{BC} = \frac{1}{3} \text{ mile} \)  
   \( \overline{AC} = \frac{1}{4} \text{ mile} \)

4. \( \overline{DE} = 0.205 \text{ kilometer} \)  
   \( \overline{EF} = 0.01 \text{ kilometer} \)  
   \( \overline{DF} = 0.02 \text{ kilometer} \)

How many triangles are formed by the angles and sides—unique triangle, no triangle, or many triangles?

5. __________________________  __________________________

6. __________________________  __________________________