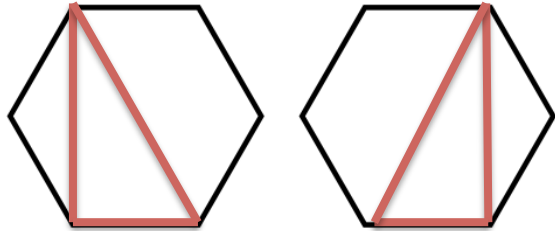
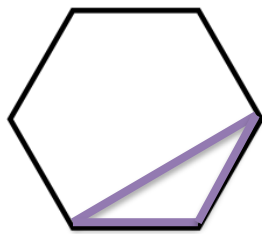


August 3rd

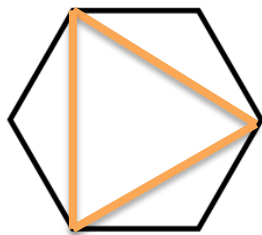
How many triangles can be drawn choosing their vertices from the vertices of a regular hexagon?



These can each be drawn from each of the 6 sides, making 12 triangles.



This can be drawn from each of the vertices, making 6 triangles.



This can be drawn this way round, or pointing to the left, making 2 triangles

Therefore there are $12+6+2 = \mathbf{20}$ possible triangles