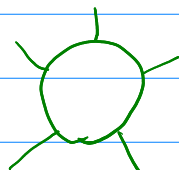
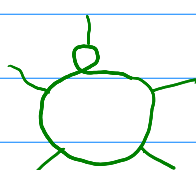
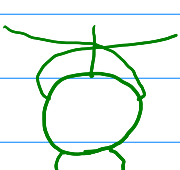
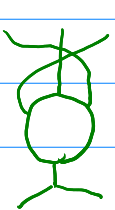
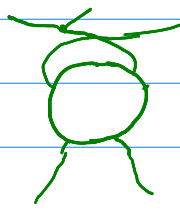
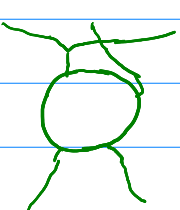
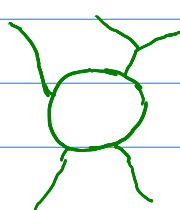
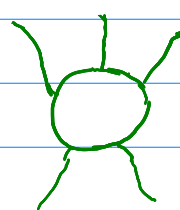

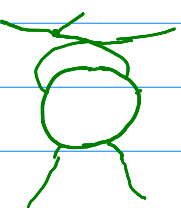
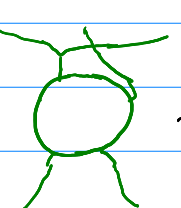
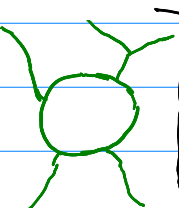


# Reducing a pentagon via Jacobi relations

$$\text{Diagram 1} = - \text{Diagram 2} = - \text{Diagram 3}$$




$$= \text{Diagram 4} + \text{Diagram 5} + \text{Diagram 6} + \text{Diagram 7} - \text{Diagram 8}$$






$$\text{Diagram 1} = \frac{1}{2} \left[ \text{Diagram 4} + \text{Diagram 5} + \text{Diagram 6} + \text{Diagram 7} \right]$$





A similar technique works for any odd-gon, of course