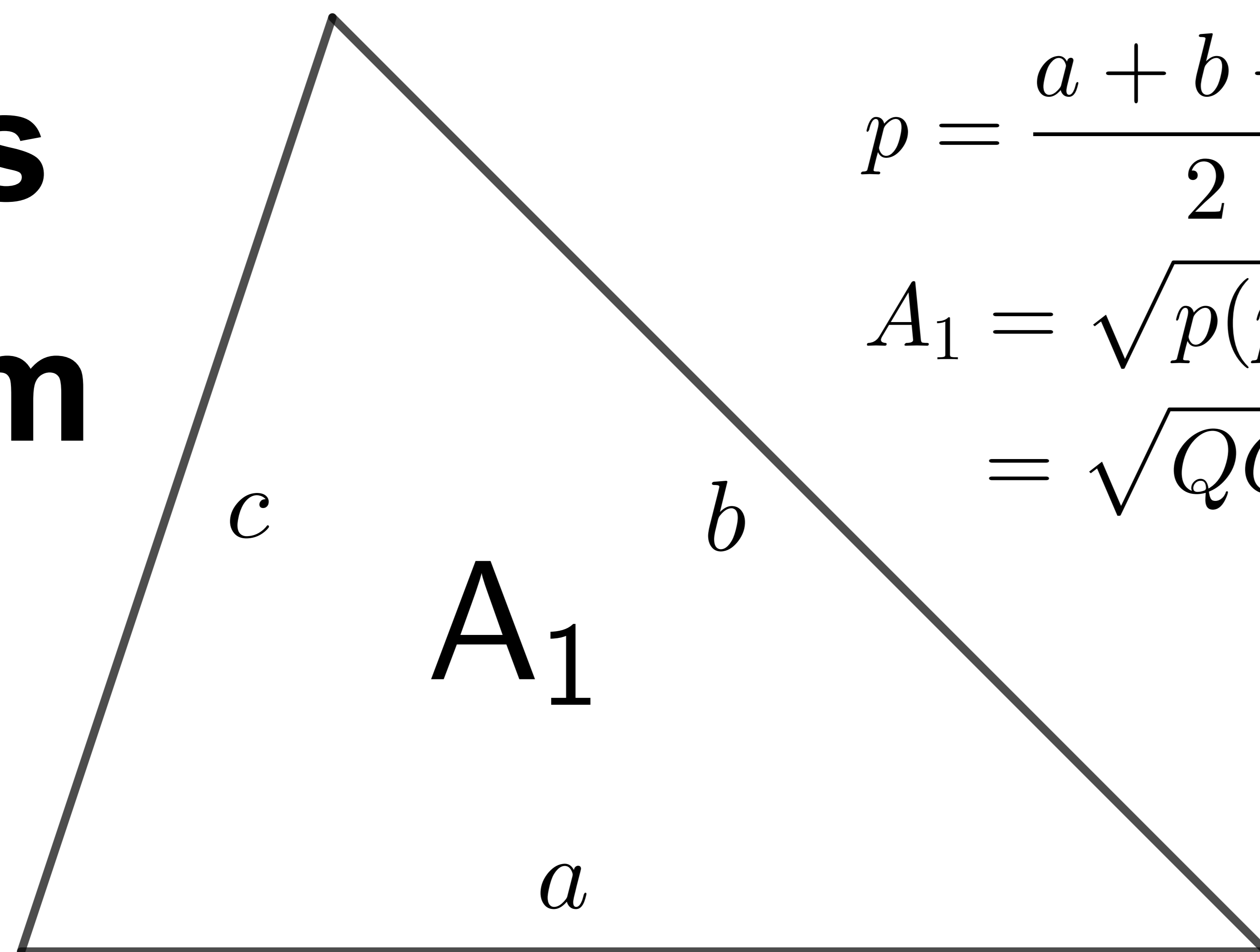


# Heron's theorem



$$p = \frac{a + b + c}{2}$$

$$A_1 = \sqrt{p(p - a)(p - b)(p - c)}$$

$$= \sqrt{QC \cdot QB \cdot BE \cdot EC}$$

