



$$H^2 = x^2 + y^2 \Rightarrow H = \sqrt{x^2 + y^2}$$

$$\text{Area } S = \frac{1}{2} \times AC \times BD = \frac{1}{2} \times \sqrt{x^2 + y^2} \times \sqrt{x^2 + y^2} = \frac{1}{2} (x^2 + y^2)$$

$$\text{Even } \frac{h \times x}{y} = \frac{\sqrt{x^2 + y^2}}{y}$$

$$\frac{\sqrt{x^2 + y^2}}{\sqrt{x^2 + y^2}} = 1$$

