

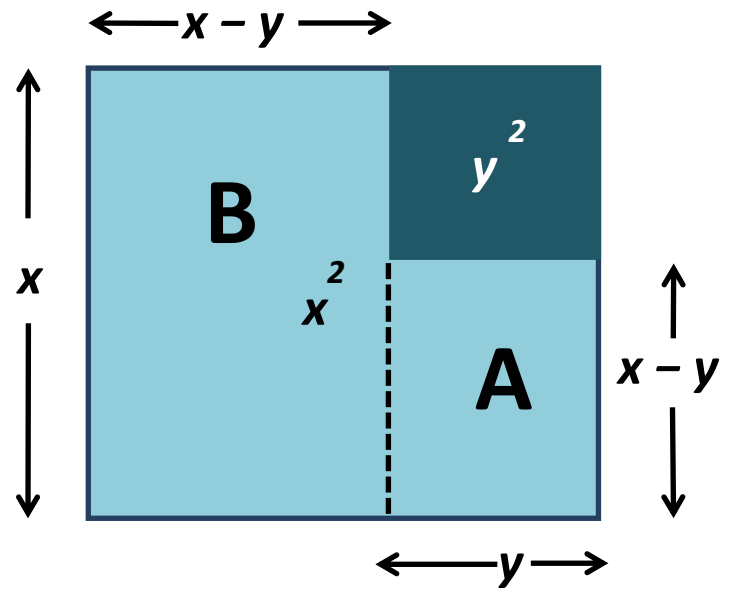
4. Difference of Two Squares

Factorise $x^2 - y^2$

$$\text{Area of A} = y(x - y)$$

$$\text{Area of B} = x(x - y)$$

$$\begin{aligned}\text{Area of A + B} &= y(x - y) + x(x - y) \\ &= (x - y)(x + y)\end{aligned}$$



Over to you

Factorise $9a^2 - 4b^2$ using an area model.