







$$= \frac{2ab - a^2 + b^2 + c^2}{2ab} = \frac{c^2 - (a^2 - 2ab + b^2)}{2ab} = \frac{c^2 - (a - b)^2}{2ab} = \frac{(c + a - b)(c - a + b)}{2ab}$$

$$= \frac{c^2 - (a - b)^2}{2ab} = \frac{(a + b + c)(a + b - c)}{2ab}$$
Similarly,

• $t + cos p = \frac{(a + b + c)(a + b - c)}{2ab}$
Therefore,

Area? = $\frac{1}{4}a^2b^2\left(\frac{(c + a - b)(c - a + b)(c - a + b)(c + a - b)}{2ab}\right)$
• $\frac{(a + b + c)(a + b - c)}{2ab} = \frac{1}{16}\left(\frac{a + b + c}{2ab}\right)$
• $\frac{(a + b - c)}{2ab} = \frac{5(3 - a)(5 - b)(5 - c)}{2ab}$