

$$A) \dots = \frac{a^{\frac{1}{2}}(a^{\frac{1}{2}} - 16)}{5(a^{\frac{1}{4}} + 4)} = \frac{a^{\frac{1}{2}}(a^{\frac{1}{4}} - 4)(a^{\frac{1}{4}} + 4)}{5(a^{\frac{1}{4}} + 4)} = \frac{a^{\frac{1}{2}}(a^{\frac{1}{4}} - 4)}{5}$$

$$B) \dots = \frac{(x^{\frac{2}{5}} - y^{\frac{2}{5}})(x^{\frac{2}{5}} + y^{\frac{2}{5}})}{(x^{\frac{2}{5}} - y^{\frac{2}{5}})} = x^{\frac{2}{5}} + y^{\frac{2}{5}}$$

$$B) \dots = \frac{a^{\frac{1}{2}}(c^{\frac{1}{2}}a^{\frac{1}{2}} - 1)(c^{\frac{1}{2}}a^{\frac{1}{2}} + 1)}{c^{\frac{1}{2}}a^{\frac{1}{2}} - 1} = a^{\frac{1}{2}}(c^{\frac{1}{2}}a^{\frac{1}{2}} - 1)$$

$$\Gamma) \dots = \frac{(a^{\frac{1}{3}} - b^{\frac{1}{3}})a^{\frac{1}{3}}b^{\frac{1}{3}}(a^{\frac{1}{3}} - b^{\frac{1}{3}})(a^{\frac{1}{3}} + b^{\frac{1}{3}})}{a^{\frac{1}{3}}b^{\frac{1}{3}}(a^{\frac{1}{3}} + b^{\frac{1}{3}})} = (a^{\frac{1}{3}} - b^{\frac{1}{3}})^2 = a^{\frac{2}{3}} - 2a^{\frac{1}{3}}b^{\frac{1}{3}} + b^{\frac{2}{3}}$$

$$\begin{aligned} D) \dots &= \frac{(a^{\frac{1}{2}} - b^{\frac{1}{2}})(a^{\frac{1}{2}} + b^{\frac{1}{2}})}{a^{\frac{1}{2}} - b^{\frac{1}{2}}} - \frac{(a^{\frac{1}{2}} - b^{\frac{1}{2}})(a + a^{\frac{1}{2}}b^{\frac{1}{2}} + b)}{(a^{\frac{1}{2}} - b^{\frac{1}{2}})(a^{\frac{1}{2}} + b^{\frac{1}{2}})} = \\ &= \frac{a^{\frac{1}{2}} + b^{\frac{1}{2}}}{1} - \frac{a + a^{\frac{1}{2}}b^{\frac{1}{2}} + b}{a^{\frac{1}{2}} + b^{\frac{1}{2}}} = \frac{a + 2a^{\frac{1}{2}}b^{\frac{1}{2}} + b - a - a^{\frac{1}{2}}b^{\frac{1}{2}} - b}{a^{\frac{1}{2}} + b^{\frac{1}{2}}} = \frac{a^{\frac{1}{2}}b^{\frac{1}{2}}}{a^{\frac{1}{2}} + b^{\frac{1}{2}}} \end{aligned}$$