

$$06. R = \frac{e^x \cdot e^{x-2}}{x-2} = e^x + e^{x-4} = \boxed{C = e^2}$$

$$07. (7^4)^5 = 3^5 = \frac{1}{3} \quad R = A$$

$$08. \text{ (Hack) } 5^x = m \text{ и } 5^y = n, \\ m^{x-1} \cdot n^{y-1} = m^2 \cdot n^{-4} \quad R = (E)$$

$$09. \\ R = (2x \cdot 3y)^2 = 2^2 x^2 \cdot 3^2 y^2 \\ (B)$$