

Õtusta iga tehte puhul, milline lahendus on õige

$$\textcircled{1} \quad A \quad \frac{x}{x-y} - \frac{x+y}{x-y} = \frac{x-x+y}{x-y} = \frac{y}{x-y}$$

$$B \quad \frac{x}{x-y} - \frac{x+y}{x-y} = \frac{-xy-x+y}{x-y} = \frac{-2y}{x-y}$$

$$C \quad \frac{x}{x-y} - \frac{x+y}{x-y} = \frac{x-x-y}{x-y} = \frac{y}{y-x}$$

$$\textcircled{2} \quad A \quad \frac{3^{15}}{2c^2} + \frac{3^{12}}{5c} = \frac{15+6}{10c} = \frac{21}{10c}$$

$$B \quad \frac{3^{15}}{2c^2} + \frac{3^{12c}}{5c} = \frac{15+6c}{10c^2}$$

$$C \quad \frac{3^{15}}{2c^2} + \frac{3^{12c}}{5c} = \frac{15+6c}{10c^2} = \frac{3+3}{c} = \frac{6}{c}$$

$$\textcircled{3} \quad A \quad \frac{2^{11}}{a-2} - \frac{3^{12}}{a-1} = \frac{2-6}{a-2} = \frac{-4}{a-2} = \frac{2}{a}$$

$$B \quad \frac{2^{1a-1}}{a-2} - \frac{3^{1a-2}}{a-1} = \frac{2a-2-3a-6}{(a-2)(a-1)} = -\frac{a+8}{(a-2)(a-1)}$$

$$C \quad \frac{2^{1a-1}}{a-2} - \frac{3^{1a-2}}{a-1} = \frac{2a-2-3a+6}{(a-2)(a-1)} = \frac{-a+4}{(a-2)(a-1)}$$

$$\textcircled{4} \quad A \quad \frac{2^{1m+2}}{m} - \frac{1^{(m)}}{m+2} = \frac{2m+4-m}{m(m+2)} = \frac{m+4}{m(m+2)}$$

$$B \quad \frac{2^{(m+2)}}{m} - \frac{1^{(m)}}{m+2} = \frac{2m+2-m}{(m+2)m} = \frac{(m+2)^1}{(m+2)m} = \frac{1}{m}$$

$$C \quad \frac{2^{12}}{m} - \frac{1^{11}}{m+2} = \frac{4-1}{m+2} = \frac{3}{m+2}$$

$$\textcircled{5} \quad A \quad \frac{2^{11}}{u^2-1} + \frac{1^{(u+1)}}{u-u^2} = \frac{2+u+1}{u^2-1} = \frac{3+u}{u^2-1}$$

$$B \quad \frac{2^{(u)}}{u^2-1} + \frac{1^{(u+1)}}{u-u^2} = \frac{2u-u-1}{u(u-1)(u+1)} = \frac{(u-1)^1}{u(u-1)(u+1)} = \frac{1}{u(u+1)}$$

$$C \quad \frac{2^{1u}}{u^2-1} + \frac{1^{1-u+1}}{u-u^2} = \frac{2u-u+1}{u(u-1)(u+1)} = \frac{(u+1)^1}{u(u-1)(u+1)} = \frac{1}{u(u-1)}$$

Vastused

①

②

③

④

⑤