

Multiplying Rational Expressions

Multiply then Simplify

$$\textcircled{1} \frac{3c}{d^2} \cdot \frac{4d}{6c^3}$$

$$\textcircled{2} \frac{32}{b^4} \cdot \frac{2b^2}{8}$$

$$\textcircled{3} \frac{m-2}{m-5} \cdot \frac{m+5}{m-2}$$

$$\textcircled{4} \frac{2x+3}{4} \cdot \frac{4}{x-5}$$

$$\textcircled{5} \frac{a-5}{(a+1)^2} \cdot \frac{a+1}{a^2+b}$$

$$\textcircled{6} \frac{x+1}{x+2} \cdot \frac{x-1}{x+1}$$

$$\textcircled{7} \frac{3y-1}{2y+1} \cdot \frac{y}{y}$$

$$\textcircled{8} \frac{y-4}{3y} \cdot \frac{y-2}{(y+4)(y-4)}$$

$$\textcircled{9} \frac{x+1}{x+3} \cdot \frac{x+3}{x+1}$$