

NAME : _____

CLASS : _____

DATE : _____

1.
$$\frac{(n-1)(n-5)}{2(n+3)} \cdot \frac{2(n+3)}{n-5}$$

☐ a) $n-1$

☐ b) $\frac{2(n-1)}{2}$

☐ c) $2(n-1)$

☐ d) 1

2.
$$\frac{(x-5)(x-8)}{x+1} \cdot \frac{x+1}{(x+5)(x-8)}$$

☐ a) 1

☐ b) $\frac{(x-8)}{(x+5)}$

☐ c) $\frac{(x-5)}{(x+5)}$

☐ d) $\frac{(x+1)}{(x+5)}$

3.
$$\frac{10x}{x-8} \cdot \frac{6x^2-48x}{6x}$$

☐ a) $\frac{5x}{3}$

☐ b) $\frac{10x}{x-8}$

☐ c) $10x$

☐ d) $\frac{6x(x-8)}{6x}$

4. $\frac{x^2 - x - 6}{x - 3} \cdot \frac{x + 9}{x + 2}$

☐ a) $x + 9$

☐ b) $\frac{(x - 3)}{(x + 2)}$

☐ c) $\frac{(x + 9)}{(x + 2)}$

☐ d) $x - 3$

For all values of x for which the expression is defined, $\frac{2x + x^2}{x^2 + 5x + 6}$ is equivalent to

A. $\frac{1}{x + 3}$ B. $\frac{x}{x + 3}$ C. $\frac{1}{x + 2}$ D. $\frac{x}{x + 2}$

$$\frac{7}{4x^3} \cdot \frac{10x}{2x}$$

A) $\frac{3x}{10}$

B) $\frac{35}{4x^3}$

C) $\frac{5}{4}$

D) 7

$$\frac{8}{n-2} \cdot \frac{5n+50}{n+10}$$

A) $n+4$

B) $n-4$

C) $\frac{n+4}{5}$

D) $\frac{40}{n-2}$

9) $\frac{r^2-5r-36}{3r+30} \cdot \frac{r-7}{r^2-16r+63}$

A) $r+10$

B) $\frac{r-8}{(r-2)(r+6)}$

C) $\frac{r+4}{3(r+10)}$

D) $\frac{(r+7)(r+4)}{r+5}$

$$\frac{20n^2}{4n+8} \cdot (-6n-12)$$

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$$20n^2$$

$$\frac{20n^2}{2}$$

$$2(2n+4)$$

$$-60n^2$$

$$-30n^2$$

$$-3(2n+4)$$

$$-3$$

$$1$$

$$2$$

