

Directions: Select the letter of the correct answer for each question below:

1) Simplify: $\frac{x^2-1}{x^2+2x+1}$

a) $\frac{x+1}{x-1}$

b) $\frac{x-1}{x+1}$

c) $\frac{x}{x+1}$

d) $\frac{x+1}{x}$

2) Add: $\frac{3}{x}$ and $\frac{5}{x-1}$

a) $\frac{2x+3}{x^2+1}$

b) $\frac{8x-3}{x}$

c) $\frac{8x-3}{x^2-x}$

d) $\frac{x^2-x}{2x-3}$

3) Multiply $\frac{x+1}{x}$ and $\frac{3}{x+1}$

a) $3/x$

b) $6/x^2$

c) $x/3$

d) $x^2/6$

4) Add: $\frac{2+x}{2x^2+3x-1} + \frac{x-1}{2x^2+3x-1}$



Rational Expressions

Practice Questions

- a) $\frac{2x + 1}{2x^2 + 3x - 1}$
- b) $\frac{1 - 2x}{2x^2 + 3x - 1}$
- c) $\frac{2x - 1}{2x^2 + 3x - 1}$
- d) $\frac{x - 2}{2x^2 + 3x - 1}$
- 5) Divide $\frac{3}{y}$ by $\frac{27}{y^2}$
- a) $9/y$
- b) $y^2/9$
- c) $9/y^2$
- d) $y/9$



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To God be the glory!