

**ВАРИАНТ 1**

1.  $\frac{x-2}{x+3} - \frac{30}{x^2-9} = \frac{1}{6};$

2.  $\frac{x-2}{x+1} + \frac{5}{x-1} = \frac{6}{x^2-1};$

3.  $\frac{x-9}{x+1} - \frac{x+3}{1-x} = \frac{8}{x^2-1};$

4.  $\frac{x+1}{x-2} + \frac{9}{(x-2)(x-5)} = \frac{x-2}{x-5}.$

**ВАРИАНТ 2**

1.  $\frac{x-4}{x+1} - \frac{10}{x^2-1} = \frac{4}{9};$

2.  $\frac{x+1}{x-3} - \frac{8}{x+3} = \frac{24}{x^2-9};$

3.  $\frac{x+3}{x+1} - \frac{x+1}{1-x} = \frac{4}{x^2-1};$

4.  $\frac{x-3}{x+2} + \frac{x+8}{x-1} = \frac{15}{(x+2)(x-1)}.$

**ВАРИАНТ 3**

1.  $\frac{x+4}{x+1} - \frac{10}{x^2-1} = 8;$

2.  $\frac{x+1}{x-3} + \frac{12}{x+3} = \frac{24}{x^2-9};$

3.  $\frac{x-3}{x+2} + \frac{x-7}{2-x} = \frac{20}{x^2-4};$

4.  $\frac{x+5}{x-2} + \frac{x-2}{x+1} = \frac{21}{(x-2)(x+1)}.$

**ВАРИАНТ 4**

1.  $\frac{x+2}{x-4} - \frac{48}{x^2-16} = 7;$

2.  $\frac{x+2}{x-1} - \frac{5}{x+1} = \frac{6}{x^2-1};$

3.  $\frac{x+3}{2+x} - \frac{x+3}{2-x} = \frac{20}{x^2-4};$

4.  $\frac{x-2}{x+3} + \frac{x-2}{x-1} = \frac{20}{(x+3)(x-1)}.$

**ВАРИАНТ 5**

1.  $\frac{x-3}{x+5} - \frac{80}{x^2-25} = \frac{15}{7};$

2.  $\frac{8}{x^2-4} + \frac{13}{x+2} = \frac{x-4}{2-x};$

3.  $\frac{x-4}{x+3} - \frac{x-10}{x-3} = \frac{42}{x^2-9};$

4.  $\frac{x+1}{x-5} + \frac{x-4}{x+2} = \frac{42}{(x-5)(x+2)}.$

**ВАРИАНТ 6**

1.  $\frac{x+7}{x-2} + \frac{5}{4} = \frac{36}{x^2-4};$

2.  $\frac{x-5}{x+3} + \frac{5}{x-3} = \frac{48}{x^2-9};$

3.  $\frac{x-6}{x+1} - \frac{2+x}{1-x} = \frac{6}{x^2-1};$

4.  $\frac{x+3}{x-8} - \frac{x+12}{x+1} = \frac{99}{(x-8)(x+1)}.$

**ВАРИАНТ 7**

1.  $\frac{x-2}{x+3} - \frac{30}{x^2-9} = \frac{2}{7};$

2.  $\frac{x-2}{x+1} + \frac{3}{x-1} = \frac{6}{x^2-1};$

3.  $\frac{x+3}{x-1} + \frac{x+3}{x+1} = \frac{8}{x^2-1};$

4.  $\frac{x+2}{x+3} - \frac{x-5}{x-4} = \frac{7}{(x+3)(x-4)}.$

**ВАРИАНТ 8**

1.  $\frac{x-4}{x+1} - \frac{10}{x^2-1} = \frac{3}{8};$

2.  $\frac{x+1}{x-3} - \frac{9}{x+3} = \frac{24}{x^2-9};$

3.  $\frac{x+1}{x-1} - \frac{4}{x^2-1} - \frac{x-1}{x+1} = 0;$

4.  $\frac{x-3}{x+5} - \frac{x-9}{x-1} = \frac{48}{(x+5)(x-1)}.$

**ВАРИАНТ 9**

1.  $\frac{x+4}{x+1} - \frac{10}{x^2-1} = \frac{10}{3};$

2.  $\frac{x}{x+4} + \frac{5}{x-4} = \frac{32}{x^2-16};$

3.  $\frac{x-3}{x+2} + \frac{x-3}{2-x} = \frac{20}{x^2-4};$

4.  $\frac{x+5}{x-2} + \frac{x-4}{x+1} = \frac{21}{(x-2)(x+1)}.$

**ВАРИАНТ 10**

1.  $\frac{x+2}{x-4} - \frac{48}{x^2-16} = \frac{11}{5};$

2.  $\frac{x+2}{x-1} + \frac{3}{x+1} = \frac{6}{x^2-1};$

3.  $\frac{x-3}{x+2} - \frac{3+x}{2-x} = \frac{20}{x^2-4};$

4.  $\frac{x}{x-3} - \frac{x+7}{x+4} = \frac{21}{(x-3)(x+4)}.$

**ВАРИАНТ 11**

1.  $\frac{x-3}{x+5} + 7 = \frac{80}{x^2-25};$

2.  $\frac{x-4}{x-2} + \frac{8}{x^2-4} = \frac{2}{x+2};$

3.  $\frac{x-1}{x+4} + \frac{x-9}{4-x} = \frac{40}{x^2-16};$

4.  $\frac{x+1}{x-5} + \frac{x-2}{x+2} = \frac{42}{(x-5)(x+2)}.$

**ВАРИАНТ 12**

1.  $\frac{x+7}{x-2} - \frac{36}{x^2-4} = 10;$

2.  $\frac{x-5}{x+3} + \frac{14}{x-3} = \frac{48}{x^2-9};$

3.  $\frac{x+2}{x+1} - \frac{2+x}{1-x} = \frac{6}{x^2-1};$

4.  $\frac{x-7}{x+4} + \frac{x}{x-1} = \frac{55}{(x+4)(x-1)}.$