

Adding and Subtracting Algebraic Fractions *fluency*

 Write as a single fraction in its simplest form

1 $\frac{x}{3} + \frac{x}{4}$

2 $\frac{x+1}{2} + \frac{x-3}{5}$

3 $\frac{2x}{3} - \frac{x}{6}$

4 $\frac{x+2}{4} - \frac{x-1}{3}$

5 $\frac{3x}{5} + \frac{x+1}{10}$

6 $\frac{x-4}{2} - \frac{2x+1}{7}$

 Write as a single fraction in its simplest form

7 $\frac{3}{x} + \frac{2}{5x}$

8 $\frac{4}{x} - \frac{1}{2x}$

9 $\frac{2}{x} + \frac{3}{x^2}$

10 $\frac{5}{3x} - \frac{1}{x}$

11 $\frac{1}{x} + \frac{1}{x^2}$

12 $\frac{7}{2x} - \frac{3}{4x}$

 Write as a single fraction in its simplest form

13 $\frac{1}{x+1} + \frac{2}{x+3}$

14 $\frac{3}{x-2} + \frac{1}{x+4}$

15 $\frac{2}{x+5} + \frac{4}{x}$

16 $\frac{x}{x+2} + \frac{1}{x-1}$

17 $\frac{5}{2x+1} + \frac{1}{x+3}$

18 $\frac{2}{x-3} + \frac{3}{x+3}$

 Write as a single fraction in its simplest form

19 $\frac{3}{x-2} - \frac{2}{x+1}$

20 $\frac{4}{x+3} - \frac{1}{x-1}$

21 $\frac{5}{x} - \frac{2}{x+4}$

22 $\frac{x}{x-1} - \frac{2}{x+2}$

23 $\frac{1}{x-5} - \frac{1}{x+5}$

24 $\frac{6}{2x-1} - \frac{3}{x}$

 Write as a single fraction in its simplest form

25 $\frac{1}{x^2-1} + \frac{1}{x+1}$

26 $\frac{2}{x^2-4} - \frac{1}{x-2}$

27 $\frac{3}{x^2+3x} + \frac{1}{x}$

28 $\frac{x}{x^2-9} - \frac{1}{x+3}$

29 $\frac{4}{x^2-x-2} + \frac{1}{x+1}$

30 $\frac{5}{x^2+5x} - \frac{1}{x+5}$