

## Algebraic Fractions(2)

Express as a single fraction in its simplest form.

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

2.  $\frac{2}{a-3} - \frac{3}{a}$

3.  $\frac{4}{3p} - \frac{1}{2p}$

4.  $\frac{1}{n} + \frac{3}{2n-1}$

5.  $\frac{2}{u^2} + \frac{5}{u}$

6.  $\frac{1}{4a-2} - \frac{2}{8a+3}$

7.  $\frac{3}{x^2} + \frac{2}{x^3}$

8.  $\frac{3}{(t-1)} + \frac{4}{(t+1)}$

9.  $\frac{4}{p} - \frac{1}{p^3}$

10.  $\frac{2}{8x-1} - \frac{1}{(4x-1)}$

11.  $\frac{3}{4x} + \frac{1}{5x}$

12.  $\frac{8}{3p} + \frac{1}{7p}$

13.  $\frac{3}{2x-3} - \frac{6}{(4x+1)}$

14.  $\frac{2}{w} + \frac{5}{8w}$

15.  $\frac{1}{n^3} - \frac{1}{n}$

16.  $\frac{4}{(2z-3)} - \frac{1}{3z}$

17.  $\frac{1}{f-1} - \frac{1}{f+1}$

18.  $\frac{3}{7x} + \frac{1}{x^2}$

19.  $\frac{3}{a-1} - \frac{6}{2a+4}$

20.  $\frac{3}{m^2} + \frac{1}{m^4}$

21.  $\frac{a}{3} + \frac{4}{a+2}$

22.  $\frac{u}{u-1} + \frac{u}{(u+1)}$

23.  $\frac{m}{2m+3} - \frac{1}{m}$

24.  $\frac{1}{x} - \frac{x+2}{2x-1}$

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

26.  $\frac{n}{n+12} - \frac{1}{n}$

27.  $\frac{a}{2a+1} - \frac{1}{3a}$

28.  $\frac{3m}{m-1} + \frac{3}{2m}$

29.  $\frac{x}{x-1} + \frac{4}{3x}$

30.  $\frac{a}{a+3} - \frac{3}{a-5}$