

Adding and Subtracting Algebraic Fractions

Simplify:

(a) $\frac{x}{5} + \frac{x}{6}$	(b) $\frac{x}{3} + \frac{x}{8}$
(c) $\frac{x}{2} - \frac{x}{3}$	(d) $\frac{x}{4} - \frac{x}{9}$
(e) $\frac{2x}{3} + \frac{x}{4}$	(f) $\frac{3x}{5} + \frac{2x}{9}$
(g) $\frac{3x}{5} - \frac{2x}{7}$	(h) $\frac{4x}{3} - \frac{5x}{8}$

(a) $\frac{11x}{30}$ (b) $\frac{11x}{24}$

(c) $\frac{x}{6}$ (d) $\frac{5x}{36}$

(e) $\frac{11x}{12}$ (f) $\frac{37x}{45}$

(g) $\frac{11x}{35}$ (h) $\frac{17x}{24}$

Simplify:

(a) $\frac{3}{x} + \frac{5}{x}$	(b) $\frac{6}{y} - \frac{4}{y}$
(c) $\frac{2}{x} + \frac{5}{2x}$	(d) $\frac{6}{xy} - \frac{4}{x}$
(e) $\frac{2}{x} + \frac{7}{x^2}$	(f) $\frac{4}{xy} - \frac{2}{3x}$
(g) $\frac{5}{4a} - \frac{1}{b}$	(h) $\frac{7}{ab} - \frac{3}{2a}$

(a) $\frac{8}{x}$ (b) $\frac{2}{y}$

(c) $\frac{9}{2x}$ (d) $\frac{6-4y}{xy}$

(e) $\frac{2x+7}{x^2}$ (f) $\frac{12-2y}{3xy}$

(g) $\frac{5b-4a}{4ab}$ (h) $\frac{14-3b}{2ab}$

Simplify:

(a) $\frac{3y}{6x} + \frac{5}{9x}$	(b) $\frac{5}{xy} - \frac{3x}{y}$
(c) $\frac{3}{ab} + \frac{6b}{5a}$	(d) $\frac{7}{x^2} - \frac{2}{x}$

(a) $\frac{9y+10}{18x}$ (b) $\frac{5-3x^2}{xy}$

(c) $\frac{15+6b^2}{5ab}$ (d) $\frac{7-2x}{x^2}$

Simplify:

(a) $\frac{3}{x} + \frac{5}{3x} + \frac{2}{3}$
(b) $\frac{8}{xy} + \frac{2y}{x} - \frac{x}{y}$
(c) $\frac{9}{a^2b} - \frac{3}{ab} - \frac{1}{ab^2}$

(a) $\frac{14+2x}{3x}$

(b) $\frac{8+2y^2-x^2}{xy}$

(c) $\frac{9b-3ab-a}{a^2b^2}$