

Addition and Subtraction Of Rational Expressions Having Like Denominators

$$1. \frac{5}{16} + \frac{3}{16}$$

$$2. \frac{23}{18} - \frac{11}{18}$$

$$3. \frac{5}{12} - \frac{7}{12} + \frac{11}{12}$$

$$4. \frac{7x}{15} - \frac{4x}{15}$$

$$5. \frac{12x}{7} - \frac{19x}{7}$$

$$6. \frac{3a}{22} - \frac{9a}{22} - \frac{5a}{22}$$

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

$$8. \frac{4x+3y}{5x^2} + \frac{x-8y}{5x^2}$$

$$9. \frac{3x-2y}{x+y} - \frac{5x}{x+y}$$

$$10. \frac{5a-3b}{a+2b} - \frac{3a-7b}{a+2b}$$

$$11. \frac{6m^2+3m-2}{5m^2} + \frac{4m^2-3m+2}{5m^2}$$

$$12. \frac{5a^2+3a-2b^2}{a^2-4b^2} - \frac{4a^2+3a+2b^2}{a^2-4b^2}$$

$$13. \frac{3x-7}{(x-2)^2} + \frac{x-1}{(x-2)^2}$$

$$14. \frac{2x^2+4xy-5y^2}{x^2-5xy+6y^2} - \frac{x^2+4xy+4y^2}{x^2-5xy+6y^2}$$

$$15. \frac{x^2-4xy-y^2}{(2x+5y)^2} + \frac{x^2+7xy-4y^2}{(2x+5y)^2}$$

$$16. \frac{40x^2-24y^2}{5x-6y} + \frac{15x^2+12y^2}{5x-6y}$$

$$17. \frac{4a^2-6ab-3b^2}{3a-7b} - \frac{2a^2-5ab-4b^2}{3a-7b}$$

$$18. \frac{3a^3-2a^2b-10b^2}{2a^2-5ab-12b^2} - \frac{5a^3+a^2b-a^2+4b^2}{2a^2-5ab-12b^2} + \frac{4a^3-5a^2b-2b^2}{2a^2-5ab-12b^2}$$