

Rational Expressions One – Addition and Subtraction

$$1. \frac{6x+3}{x+y} + \frac{4}{x+y}$$

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

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

$$4. \frac{7x-1}{x-5} - \frac{2x+3}{x-5}$$

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

$$6. \frac{y^2}{y-3} - \frac{6y}{y-3} + \frac{9}{y-3}$$

$$7. \frac{x}{x^2-9} - \frac{1}{2x-6}$$

$$8. \frac{y}{y^2-16} + \frac{2}{2y-12}$$

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

$$10. \frac{4y+3}{y-2} - \frac{y-2}{y-2}$$

$$11. \frac{x^2}{x-y} + \frac{y^2}{y-x}$$

$$12. \frac{3}{x} - \frac{8}{-x}$$

$$13. \frac{2y-10}{y^2-25} - \frac{5-x}{25-x^2}$$

$$14. \frac{x-2}{x+4} + \frac{x+3}{x-5}$$

$$15. \frac{4ab}{a^2-b^2} + \frac{a-b}{a+b}$$

$$16. \frac{9x+2}{3x^2-2x-8} + \frac{7}{3x^2+x-4}$$

$$17. \frac{x-5y}{x+y} + \frac{x+7y}{x+y}$$

$$18. \frac{3y+2}{y-4} - \frac{y-4}{y-4}$$

$$19. \frac{x^2}{x-y} + \frac{y^2}{y-x}$$

$$20. \frac{2}{z} - \frac{5}{-z}$$

$$21. \frac{x-9}{x^2-16} - \frac{7-x}{16-x^2}$$

$$22. \frac{x-2}{x+3} + \frac{x+2}{x-4}$$

$$23. \frac{5xy}{x^2-y^2} + \frac{x+y}{x-y}$$

$$24. \frac{3y+2}{2y^2-y-10} + \frac{8}{2y^2-7y+5}$$

$$25. \frac{x-1}{3x+15} - \frac{x+3}{5x+25}$$

$$26. \frac{x-2}{4x+8} - \frac{x+6}{5x+10}$$