

Adding & Subtracting Rational Expressions

Name: _____

$$1) \frac{x-4}{x+5} + \frac{5x}{x+5}$$

$$2) \frac{-2x+1}{x^2+4} - \frac{-3x-1}{2x^2+8}$$

$$3) \frac{5}{x} + 8$$

$$4) 7 - \frac{4}{x-9}$$

$$5) \frac{x-1}{x-2} - \frac{x^2+4x-4}{x^2+4x-12}$$

$$6) \frac{x+2}{x-6} - \frac{x^2+5x+14}{x^2-2x-24}$$

$$7) \frac{x-4}{x^2+5x+6} + \frac{x-1}{x^2-4}$$

$$8) \frac{x-4}{x^2+4x+3} - \frac{x-1}{x^2-9}$$

$$9) -\frac{x-2}{x^2-2x-8} - \frac{x-1}{x^2-4}$$

$$10) \frac{2}{x^2-5x+4} + \frac{-2}{x^2-4}$$

$$11) 3 + \frac{x}{x+2} - \frac{2}{x^2-4}$$

$$12) \frac{1}{x+1} - \frac{x}{x-2} + \frac{x^2+2}{x^2-x-2}$$