

**Writing Rational Equations WS 1 – Answers:**

**Front:**

$$1) f(x) = \frac{(x+5)}{(x+2)(x-3)}$$

$$2) f(x) = \frac{(2x+1)(x+1)}{(x+1)}$$

$$3) f(x) = \frac{2(x-3)}{(x+7)}$$

$$4) f(x) = \frac{8}{(x-4)}$$

$$5) f(x) = \frac{(2x+1)(2x-1)}{x(x+5)}$$

$$6) f(x) = \frac{(x-1)}{(x+3)(x-3)}$$

$$7) f(x) = \frac{\text{any}\#}{(x-1)(x+4)}$$

$$8) f(x) = \frac{x(x+3)(x+7)}{(x+3)(x+7)}$$

$$9) f(x) = \frac{(x+1)}{(x-1)(x+5)(x+1)}$$

$$10) f(x) = \frac{2x}{(3x-2)}$$

**Back:**

$$1) f(x) = \frac{(x+3)}{(x-1)}$$

$$2) f(x) = \frac{2(x-1)(x-3)}{(x-4)(x-3)}$$

$$3) f(x) = \frac{x^2 - 16}{(x-4)}$$

$$4) f(x) = \frac{(x+3)(x-2)}{(x+1)}$$