Name_____

# 6.2 Synthetic Division Homework

$$\frac{5x^2-2x-3}{x-1}$$

$$\frac{9x^2-34x+21}{x-3}$$

$$\frac{-2x^2-11x-5}{x+5}$$

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

$$\frac{x^2-9}{x-3}$$

$$\frac{-9x^2-72x}{x+8}$$

$$\frac{x^3-4x^2-5x-42}{x-6}$$

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

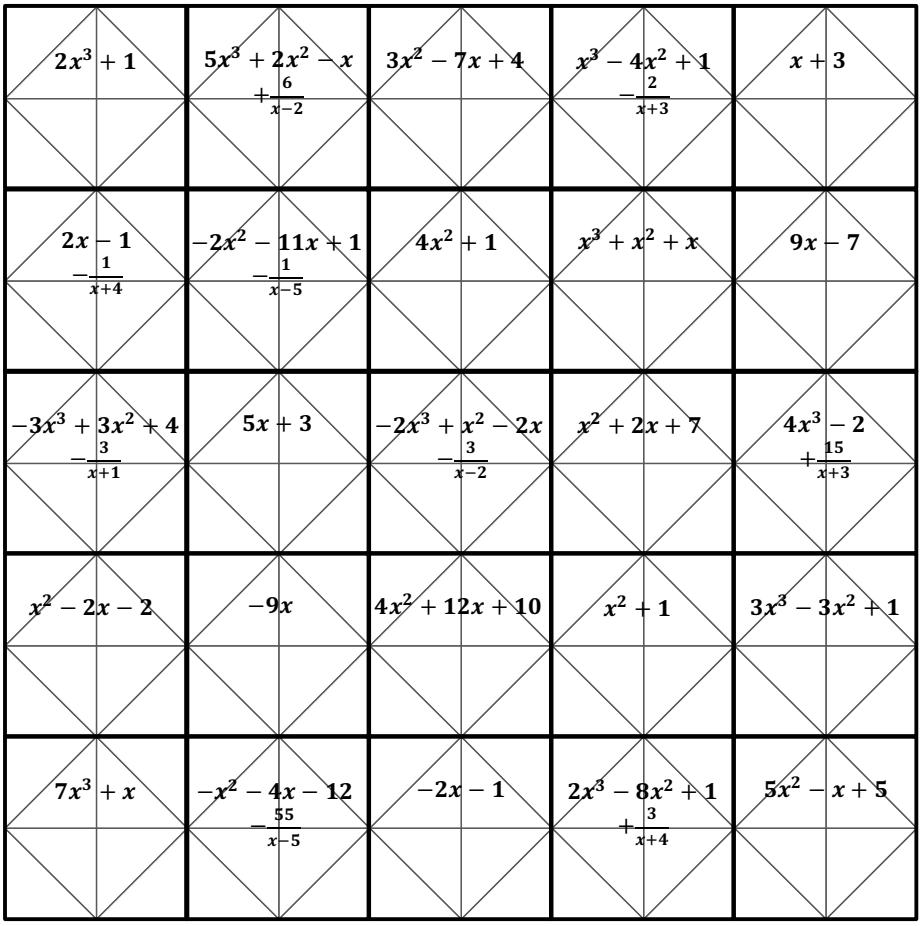
$$\frac{x^3-7x^2+x-7}{x-7}$$

$$\frac{4x^3-16x^2+x-4}{x-4}$$

$$\frac{x^3-6x-4}{x+2}$$

$$\frac{5x^3+24x^2+25}{x+5}$$

$$\frac{4x^3-26x-30}{x-3}$$




$$\frac{2x^4+16x^3+x+8}{x+8}$$

$$\frac{x^4-x}{x-1}$$

$$\frac{7x^4+42x^3+x^2+6x}{x+6}$$

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

$$\frac{-2x^3-x^2+56x-6}{x-5}$$

$$\frac{2x^4-32x^2+x+7}{x+4}$$

$$\frac{x^4-x^3-12x^2+x+1}{x+3}$$

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

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

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

$$\frac{4x^4+12x^3-2x+9}{x+3}$$

$$\frac{5x^4-8x^3-5x^2+2x+6}{x-2}$$