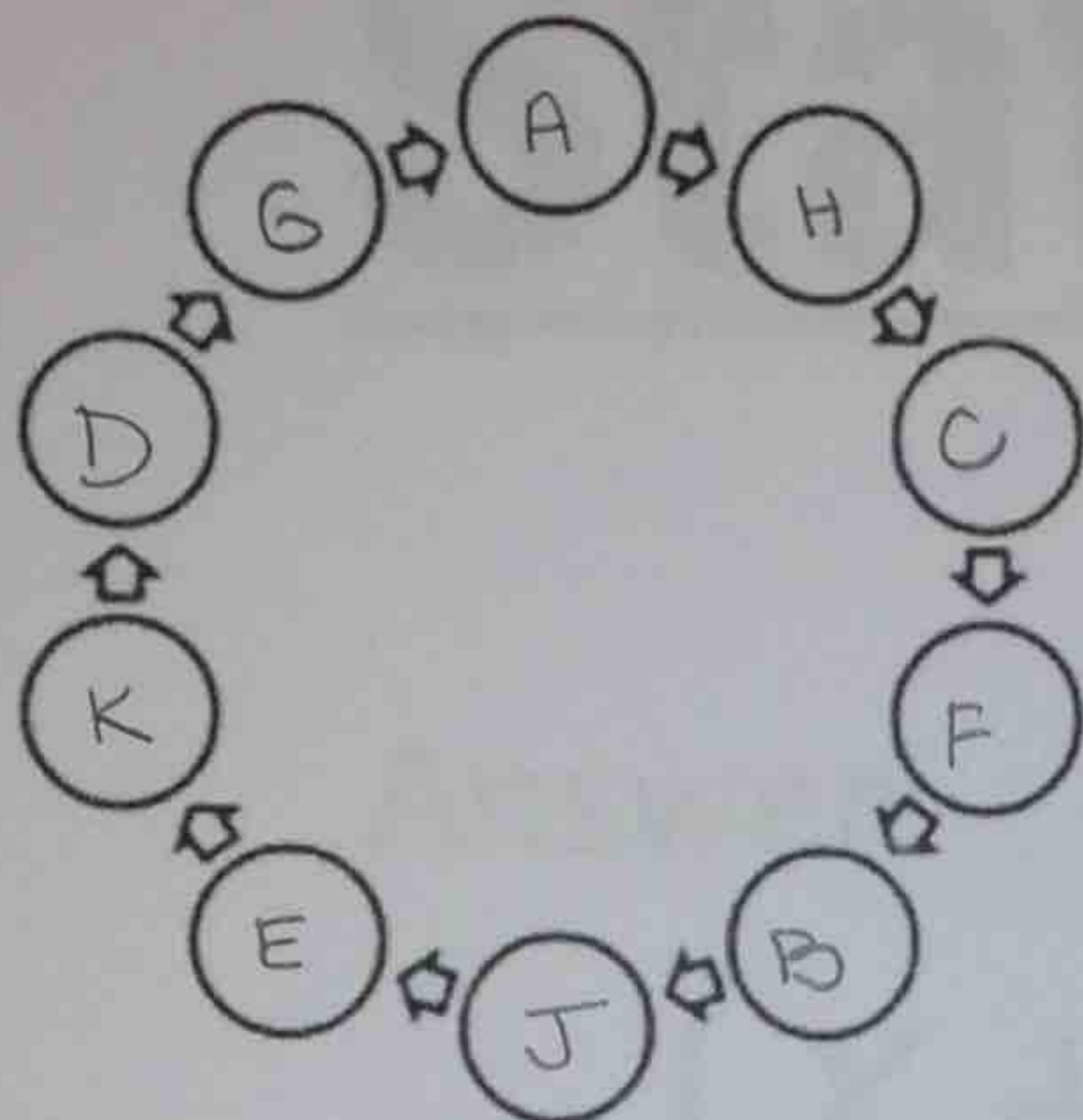


Activity 5.1: Scavenger Hunt

Name: _____

Math 3

Directions: Keep track of your progress in the table below. Show all work in the space provided.



Station A

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

$4(x^2 - 2x - 3)$

Station B

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

Station C

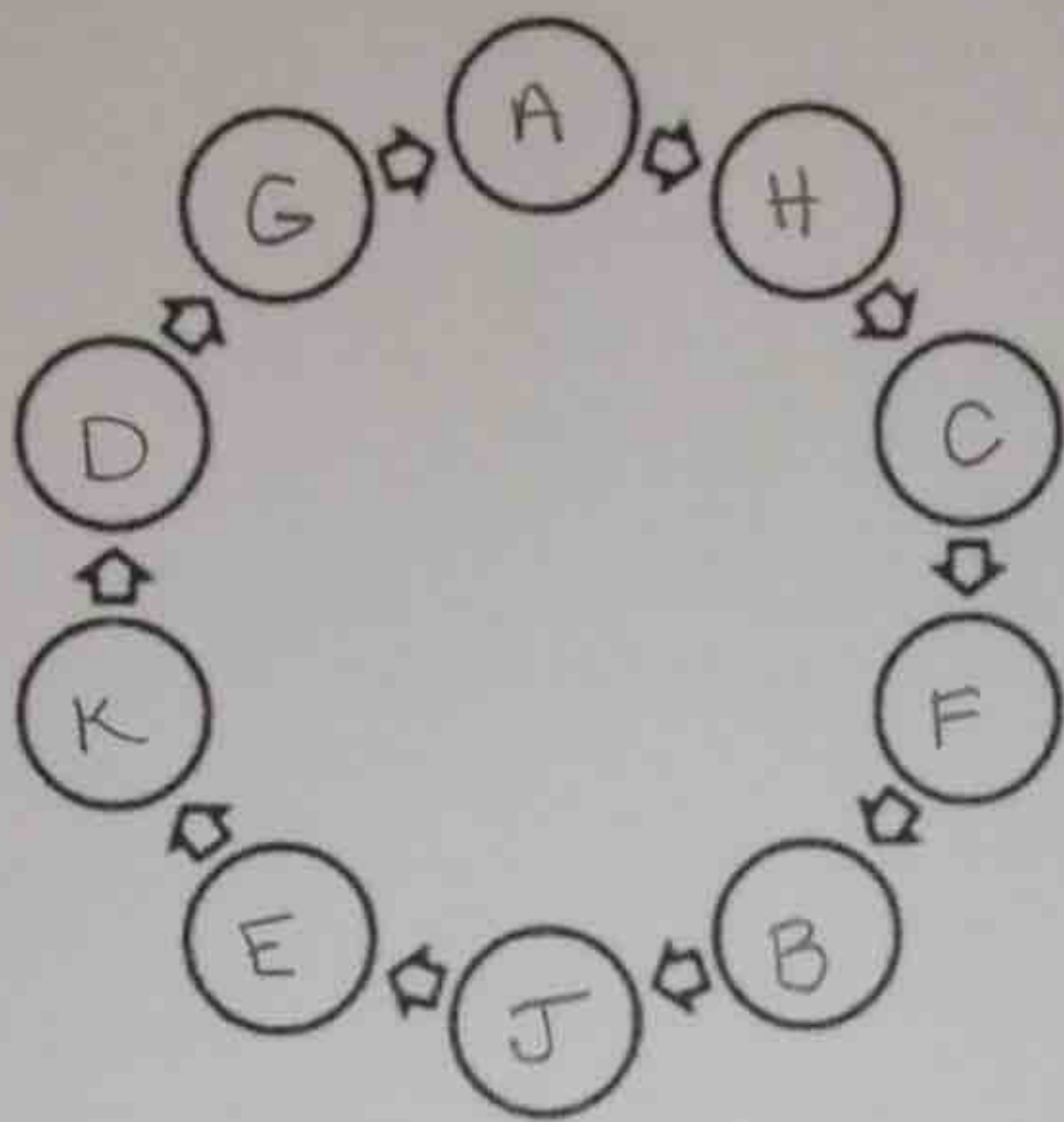
$$\frac{3(x-3)(x+5)(x-5)}{(x-5)(x+4)(x+5)(x-3)} = \frac{3}{x+4}$$

Station D

$$\frac{(x-7)(x+1)(x+4)}{(x+7)} = (x-7)(x+4)$$

Station E

$$\frac{x(x+5)(x-5)(x+4)}{x(x-8)} = (x+5)(x+4)$$



Station F

$$\frac{\cancel{x-2}}{(x-3)(\cancel{x+3})} \cdot \frac{\cancel{x+3}}{(\cancel{x-2})(x+2)}$$

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

Station G

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

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

Station H

$$\frac{(\cancel{x-4})(x-2)(x+2)}{(x-2)(\cancel{x-2})(\cancel{x-4})(x+1)}$$

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

Station J

$$\frac{3}{1} \cdot \frac{x}{x+1}$$

$$\frac{3x}{x+1}$$

Station K

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

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