Homework Week #12 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**“Don’t worry about failures, worry about the chances you miss when you don’t even try.”** –Jack Canfield

Monday: Equation of a Circle Practice: Find the center and the radius of each of the following circles.

1. x2 + 8x + y2 + 6y = 0
2. x2 + 12x + y2 – 10y = 12
3. x2 + 4y + 6x - 10 = -y2
4. x2 + y2 + 14x + 16y = 0
5. x2 + 12x + y2 + 4y = 5

Tuesday:

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

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

1. $\frac{3x+7}{x^{2}-9}-\frac{3}{x-3}$

Wednesday:

Thursday: