

**Warm ups:**

**Monday:**

**Simplify by finding LCD and adding:**

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

**Tuesday:**

**Simplify. State Excluded Values.**

$$\frac{x^2 - 9x - 36}{x^2 - 4x - 21}$$

**Wednesday:**

**Find V.A., H.A., and hole(s):**

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

**Thursday:**

**Find V.A., H.A., and hole(s):**

$$\frac{x^2 + 9x - 10}{x^2 - 100}$$

**Friday:**

$$(x + 4)^2 + (y - 6)^2 = 81$$

**Identify Center and Radius of the circle.**

## EXIT Tickets:

**Monday:**

**Find the LCD and add:**

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

**Tuesday:**

**Write an explanation of how to find whether a rational function has a Vertical Asymptote and the 3 Horizontal Asymptote Rules.**

**Wednesday: Write an explanation of how to find the presence of a hole in a rational function.**

**Thursday: Write equation of circle with Center:  $(3, -1)$  and radius: 4**