

## **MATH IV – Chapter 2.5 Presentations**

### **Due Monday, September 16<sup>th</sup> at 3:00**

For your assigned problem:

- Describe how to determine vertical asymptotes (**3 points**) and calculate the vertical asymptotes (**4 points**)
- Describe how to determine a horizontal asymptote (**3 points**) and calculate the horizontal asymptote (**2 points**)
- Describe how to determine the x-intercepts (**3 points**) and calculate the x-intercepts (**4 points**)
- Describe how to determine the y-intercept (**3 points**) and calculate the y-intercept (**2 points**)
- Create a potential graph of this function using all the given information (**8 points**)

**TOTAL: 32 points**

## MATH IV - Chapter 2.5 Presentation Assignments

$$f(x) = \frac{x^2 + x - 6}{(x - 5)(x + 4)}$$

$$g(x) = \frac{x^2 - 6}{(2x + 1)(x + 4)}$$

$$h(x) = \frac{3x^2 + 5x}{(x - 1)(x + 4)}$$

$$k(x) = \frac{(2x + 3)(x - 7)}{x^2 - 3x - 4}$$

$$m(x) = \frac{x^2 + 6x + 5}{(x - 1)(x + 3)}$$

| Last Name  | Assignment |
|--|------------|
| Budd, Brimner, Corona, Franco, Garcia-Tovar      | f(x)       |
| Garza, Gauna, Gentry, Goad, Gomez                | g(x)       |
| Hardin, Hopkins, Lopez, Madlem, Peoples, Sigrist | h(x)       |
| Mann, Martinez, Obregon, Perez, Strader, Tristan | k(x)       |
| Rich, Sisk, Spelman, Tuttle, Vandever, West      | m(x)       |