

Mail this assignment with your homework using Snail Mail

**Rational Functions 11.1:**

\_\_\_\_\_ Name

Graph:

1.  $F(x) = y = \frac{1}{x - 1}$

Domain: \_\_\_\_\_  
Range: \_\_\_\_\_  
Asymptote: \_\_\_\_\_  
Asymptote: \_\_\_\_\_  
x intercept(s) \_\_\_\_\_  
y intercept(s) \_\_\_\_\_

2.  $y = \frac{3x}{x - 1}$

Domain: \_\_\_\_\_  
Range : \_\_\_\_\_  
Asymptote: \_\_\_\_\_  
Asymptote: \_\_\_\_\_  
x intercept(s) \_\_\_\_\_  
y intercept(s) \_\_\_\_\_

3.  $y = \frac{x^2 + x - 5}{x - 1}$   
Asymptote: \_\_\_\_\_  
Asymptote: \_\_\_\_\_  
Domain: \_\_\_\_\_  
x intercept(s) \_\_\_\_\_  
y intercept(s) \_\_\_\_\_

4.  $f(x) = \frac{x^2 + x - 2}{x - 1}$   
Hole: \_\_\_\_\_  
Domain: \_\_\_\_\_  
Range: \_\_\_\_\_  
x intercept \_\_\_\_\_  
y intercept \_\_\_\_\_