**Rational Functions Review**

**Simplify. State any restrictions on the variable.**

1.
2.
3.

**Multiply or Divide.**

1.
2.

**Add or Subtract.**

1.

**Solve.**

1.
2.

**Identify holes, vertical asymptotes, horizontal asymptotes, domain, x-intercept(s), and y-intercept of the rational functions. Then graph the function.**

15. 16. 17.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Hole: |  |  | Hole: |  |  | Hole: |  |
| VA: |  | VA: |  | VA: |  |
| HA: |  | HA: |  | HA: |  |
| Domain: |  | Domain: |  | Domain: |  |
| x-intercept(s) |  |  | x-intercept(s) |  |  | x-intercept(s) |  |
| y-intercept |  |  | y-intercept |  |  | y-intercept |  |

