Section 4.1 Supplemental Worksheet Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Identify the domain, vertical asymptotes, horizontal asymptotes, zeros and holes for the following rational functions.

1. 2.
2. 4.

5. 6.

Find a rational function with the specified characteristics.

1. Vertical Asymptote: x = 2 8. Vertical Asymptotes: x = -1, x = 2

Horizontal Asymptote: y = 0 Horizontal Asymptote: y = -2

Zero: x = 1 Zeros: x =- 2, x = 3

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