

8A Review Day 5

Describe the function using the graphabulary.

$$f(x) = \frac{3+x}{x}$$

Sketch:

Domain:

Range:

y -intercept:

x -intercept:

Increasing:

Decreasing:

Function:

End behavior:

Vertical asymptotes:

Horizontal asymptotes:

Use the function above to find the following.

$$f(7)$$

$$f(-6)$$

$$f(0.5)$$

$$f(30)$$

Write an explicit formula and a recursive formula for each sequence.

$-62, 50, 162, \dots$

$100, -20, 4, \dots$

The first three terms of a sequence are 24.3, 40, and 55.7. Which term of the sequence is 1594.3?

Find the missing terms in the geometric sequence below.

$-3, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, 22.78125$