

Math-1003b Homework #5

Reading

- Sections 8.1-8.4

Problems

- 1). Let $f(x) = x^2 + 2x - 5$. Evaluate:

$$\frac{f(x+h) - f(x)}{h}$$

- 2). Let $f(x) = 2x+5$ and $g(x) = x^2$. For each of the following, evaluate and state the domain.

a). $f + g$

b). fg

c). $\frac{f}{g}$

d). $\frac{f}{f}$

e). $f \circ g$