
Quiz #1

1. If $f(x) = 8x - 3x^2$, determine the following:

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

b. $\frac{f(x) - f(a)}{x - a}$

2. Let $f(x) = \frac{\sqrt{10-2x}}{x+2}$.

a. Evaluate $f(3)$.

b. Determine the domain of $f(x)$.