Problem 1: §3.5 #8

Work:

Answer: $\dfrac{dy}{dx} =$

Problem 2: §3.6 #22

Work:

Answer: $f'(x) =$

Problem 3: §3.7 #12

Work:

Answer: $h'(x) =$

Problem 4: §3.7 #36

Work:

Answer: $\dfrac{dy}{dx} =$

Problem 5: §3.9 #10

Work:

Answers: $L(x) =$ $\sqrt[3]{0.95} \approx$ $\sqrt[3]{1.1} \approx$

Problem 6: §4.1 # 12

Work:

Answer:

Problem 7: §4.2 # 52

Work:

Answers: abs. max is   abs. min is