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Chapter 19 Exercises

1a. True

1b. True

1c. False, f(n) = O (1)

2a. f(n) = O (n2)

2b. f(n) = O (n)

2c. f(n) = O (n)

3a. Worst case would be

3b. Worst case would be

3c. Worst case would be O (log n)

4a. Polynomial

4b. Logarithmic

4c. Exponential