

EXERCISES

1. Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be a function. Prove that f is continuous at $a \in \mathbb{R}$ if and only if f is continuous at a and f is continuous at a .

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x	$f(x)$	$f'(x)$	$f''(x)$
1	1	0	0
2	4	2	2
3	9	6	6
4	16	12	12
5	25	20	20
6	36	30	30
7	49	42	42
8	64	56	56
9	81	72	72
10	100	90	90



STATISTICAL ANALYSIS







STUDYING WITH THE 5E STRATEGY



QUESTION 1



QUESTION 1



Date	Description
1/1/2020	Initial deposit of \$10,000.00
1/15/2020	Interest earned \$500.00
2/1/2020	Withdrawal of \$2,000.00
2/15/2020	Interest earned \$400.00
3/1/2020	Deposit of \$3,000.00
3/15/2020	Interest earned \$300.00
4/1/2020	Withdrawal of \$1,000.00
4/15/2020	Interest earned \$200.00
5/1/2020	Deposit of \$2,500.00
5/15/2020	Interest earned \$150.00
6/1/2020	Withdrawal of \$500.00
6/15/2020	Interest earned \$100.00
7/1/2020	Deposit of \$1,500.00
7/15/2020	Interest earned \$75.00
8/1/2020	Withdrawal of \$300.00
8/15/2020	Interest earned \$50.00
9/1/2020	Deposit of \$1,000.00
9/15/2020	Interest earned \$30.00
10/1/2020	Withdrawal of \$200.00
10/15/2020	Interest earned \$15.00
11/1/2020	Deposit of \$500.00
11/15/2020	Interest earned \$7.50
12/1/2020	Withdrawal of \$100.00
12/15/2020	Interest earned \$3.75
1/1/2021	Total Balance: \$10,000.00