Exercise 1 function.	The function $L(x) = x$, with its implied domain, is an increasing
Multiple Cho	ice:
(a) True ✓	
(b) False	
Exercise 2 increasing fun	The function $S(x) = L(x) \cdot L(x)$, with its implied domain, is an ction.
Multiple Cho	ice:
(a) True	
(b) False ✓	
Suppose $A(x)$	Suppose $A(x)$ and $B(x)$ are functions with equal domains. and $B(x)$ are both increasing functions. duct $A(x) \cdot B(x)$ is always an increasing function.
Suppose $A(x)$	and $B(x)$ are both increasing functions. duct $A(x) \cdot B(x)$ is always an increasing function.
Suppose $A(x)$ Then the pro-	and $B(x)$ are both increasing functions. duct $A(x) \cdot B(x)$ is always an increasing function.
Suppose $A(x)$ Then the pro-	and $B(x)$ are both increasing functions. duct $A(x) \cdot B(x)$ is always an increasing function.
Suppose $A(x)$ Then the pro- Multiple Cho (a) True (b) False \checkmark Exercise 4 Suppose $A(x)$	and $B(x)$ are both increasing functions. duct $A(x) \cdot B(x)$ is always an increasing function.
Suppose $A(x)$ Then the pro- Multiple Cho (a) True (b) False \checkmark Exercise 4 Suppose $A(x)$	and $B(x)$ are both increasing functions. duct $A(x) \cdot B(x)$ is always an increasing function. ice: Suppose $A(x)$ and $B(x)$ are functions with equal domains. and $B(x)$ are both increasing functions. A(x) + B(x) is always an increasing function.
Suppose $A(x)$ Then the pro- Multiple Cho (a) True (b) False \checkmark Exercise 4 Suppose $A(x)$ Then the sum	and $B(x)$ are both increasing functions. duct $A(x) \cdot B(x)$ is always an increasing function. ice: Suppose $A(x)$ and $B(x)$ are functions with equal domains. and $B(x)$ are both increasing functions. A(x) + B(x) is always an increasing function.

Exercise 5 Suppose A(x) and B(x) are functions with equal domains. Suppose A(x) and B(x) are both increasing functions. Then the difference A(x) - B(x) is always an increasing function.

$\label{eq:Multiple Choice: Multiple Choice:} Multiple \ Choice:$

- (a) True
- (b) False ✓

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