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VU Answer

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Determine whether the function $f(x) = x + 1$ is one-to-one?

Answer ([Please click here to Add Answer](#))



Compute the first four terms of the sequence defined by the formula $a_n = 3n - 5$.

Answer ([Please click here to Add Answer](#))



Show that $f(x) = x^3 + 1$ is onto function.

Answer ([Please click here to Add Answer](#))



Find the sum of the infinite G.P $2, \sqrt{2}, 1, \dots$

Answer ([Please click here to Add Answer](#))



Let $A = \{a, b, c, d\}$ be a set and consider the relation $R = \{(a, a), (a, b), (a, c), (a, d), (b, b), (b, d), (c, c), (c, d), (d, d)\}$ on A . Show that R is a partial ordering.

Answer ([Please click here to Add Answer](#))



Let $f(x) = ax + b$ and $g(x) = cx + d$, where a, b, c and d are constants. Under what condition $f \circ g(x) = g \circ f(x)$.

Answer ([Please click here to Add Answer](#))

