

Name: _____

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CS 2102 - DMT1 - FALL 2019 — LUTHER TYCHONIEVICH
ADMINISTERED IN CLASS FRIDAY NOVEMBER 8, 2019

QUIZ 09

Theorem 1 $\forall x \in \{a \mid a \in \mathbb{Z} \wedge a \geq -1\} . \sum_{k=-1}^x 12 - 2k = 26 + 11x - x^2$

PROBLEM 1 *Proof by Induction*

Prove the above theorem using induction.

Proof.

□