



0 1 2 3 4 5 6 7 8 9

Name: _____

0 1 2 3 4 5 6 7 8 9

CSU ID: _____

0 1 2 3 4 5 6 7 8 9

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Cross boxes to the left for to the last 4 digits of your ID.

MTH 220 - Fall 2019 - Quiz 11

1. Define $a \equiv b \pmod{n}$, where $a, b, n \in \mathbb{Z}$ with $n \geq 2$. In alternative, you can give an equivalent criterion to the definition.
2. Find the least non negative residue of 3^{50} modulo 19.
3. Find the least non negative residue of 20^{-1} modulo 47.