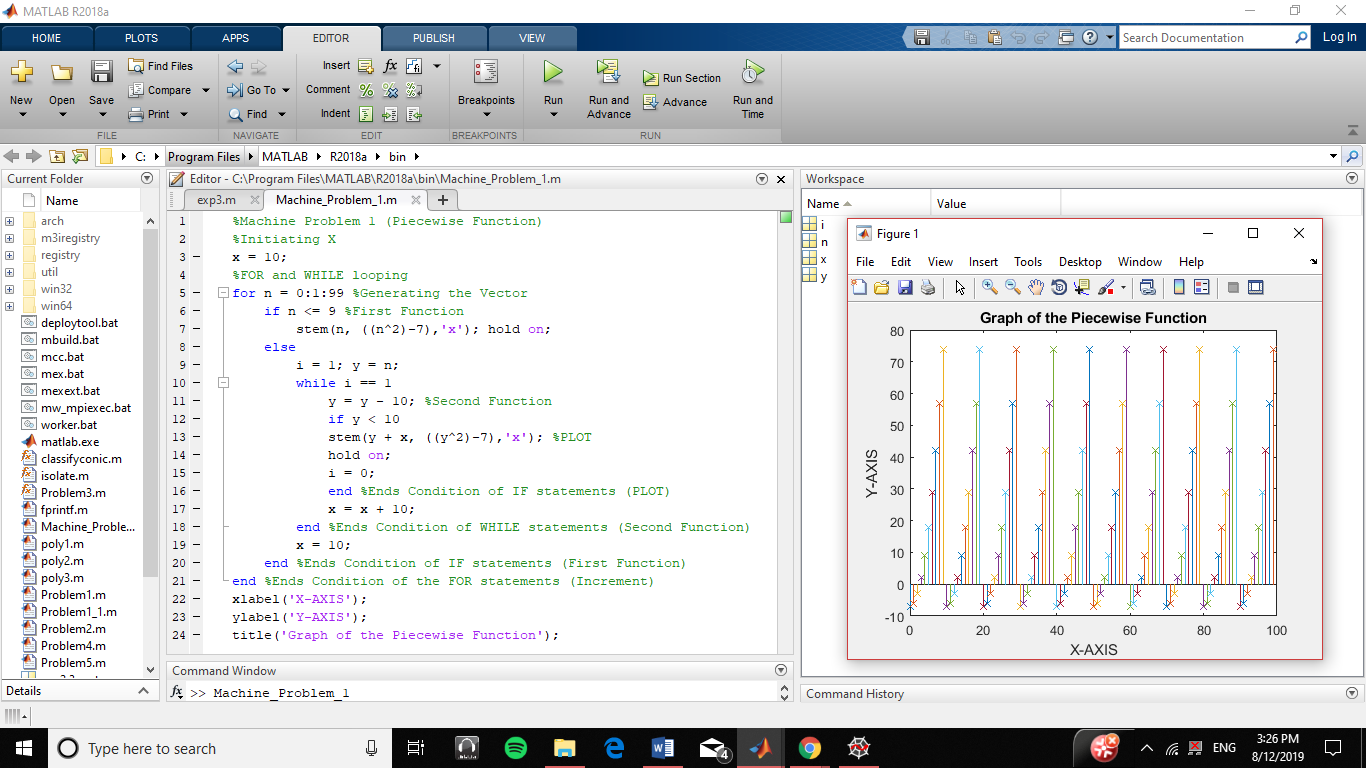
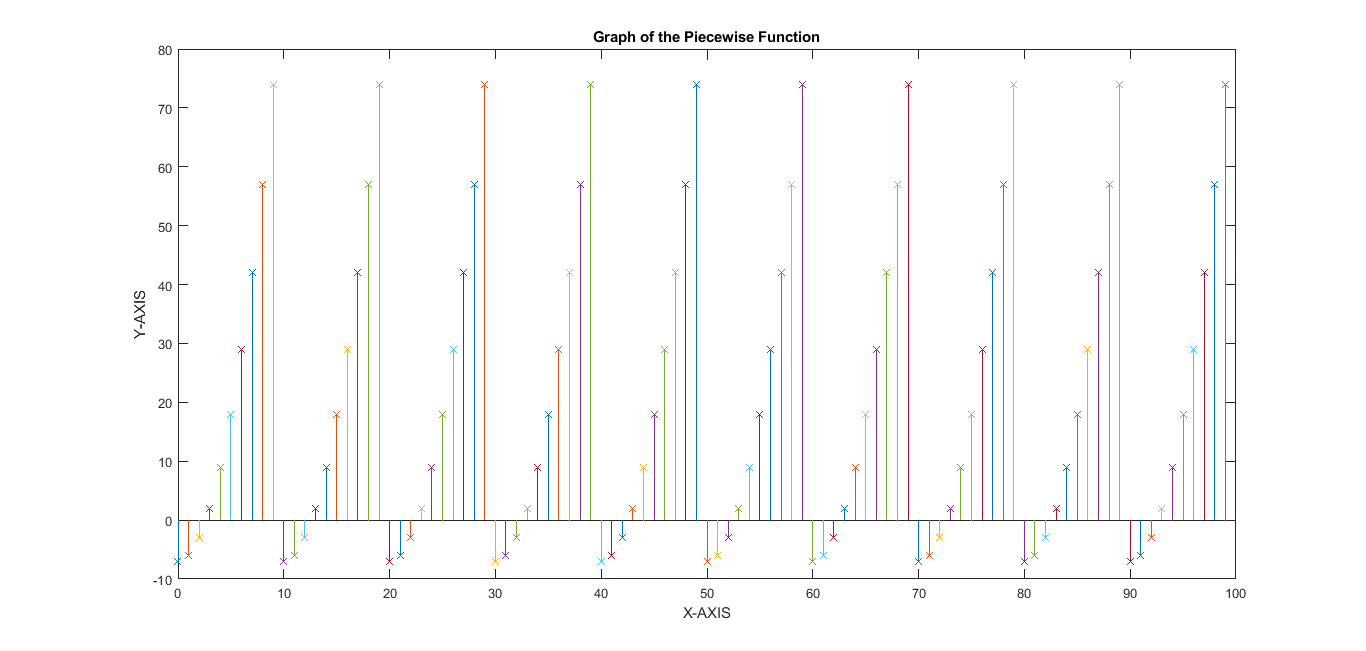
Hilado, Xyleen

Ungos, Carl Marco

**Machine Problem 1**



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**Comments on the graph:**

The graph shows a repeated increasing pattern in every 10 intervals from -7 (the lowest y-value) up to 74 (the highest y-value). The highest y-value in the graph is occurs on every digit that ends with a 9 while the lowest y-value occurs on every digit that ends with a 0. The pattern is achieved because the value of *n* has to first satisfy the *n ≤ 9 condition* – where the value undergoes a loop in the *f(n – 10)* function. When the value is finally less than or equal to nine, only then will it proceed to *n2 – 7* and to eventually plot the corresponding values and achieve the pattern.