K-Means Clustering in ASP.NET (Easy) - True/False Quiz

Instructions: Indicate whether each statement is True or False.

1. **Statement:** K-means clustering requires you to pre-specify the number of clusters (k) before running the algorithm.

Answer: True

2. **Statement:** K-means clustering is a supervised learning algorithm.

Answer: False

3. **Statement:** The initial placement of centroids in K-means can significantly impact the final clustering results.

Answer: True

4. **Statement:** K-means clustering can easily handle datasets with non-spherical clusters.

Answer: False

5. **Statement:** You can directly implement the K-means algorithm within ASP.NET using only built-in libraries without needing external libraries like ML.NET.

Answer: False (While you *can* implement it from scratch, it's generally easier and more efficient to use a dedicated machine learning library.)