Exercise: Similarity Measures

1. Calculate the Euclidean distance between two points: (3, 5) and (7, 1).
2. Find the Manhattan distance between vectors: [4, 6, 2] and [1, 3, 5].
3. Determine the Minkowski distance (p=2) between vectors: [2, 4] and [5, 7].
4. Compute the Cosine Similarity between the sentences:
    a. "Data science is essential for scientific advancements."
    b. "Scientific progress relies on the importance of data science."
5. Using the Jaccard Similarity, find the similarity between two sets:
    a. Set A: {apple, banana, orange}
    b. Set B: {banana, mango, kiwi}