1. Color pixels in the grid below to form a line between the two points \( p \) and \( q \)
2. Let \( p = (px, py) \) and \( q = (qx, qy) \). For now, we’ll make some assumptions:
   - The slope of the line is between 0 and 1 (i.e., it’s between 0 and 45 degrees)
   - \( px, py, qx, qy \) are integer coordinates

See if you can come up with an algorithm to draw a line between the points \( p \) and \( q \).
Use the figures below to test/develop your algorithm on a few different cases.