

Name: _____

COL7(6)83 Quiz 8 Entry no.: _____

24 October, 2025

- What is the effect of erosion with a structuring element $B = \{(1, 0)\}$, i.e. which contains only one pixel, just below the origin? Specifically, give the result $A \ominus B$ when A is the square $\{(x, y) : 10 \leq x \leq 20, 10 \leq y \leq 20\}$.

- Sketch the opening $A \circ B$, and the closing of the result, $(A \circ B) \bullet B$, for the given sets A and B .

