Answers to Table (by row):

- 1. 3
- 2. 2
- 3. 2
- 4. 2
- 5. 2
- 6. 3
- 7. 2
- 8. 2
- 9. 2
- 10.1

Answers to Questions:

- 1. NO, performance might be quicker on certain "best case" inputs
- 2. NO, by the definition of Big-Oh, it might take order n² on some inputs
- 3. NO, performance might be quicker on certain "best case" inputs
- 4. YES, if it took O(n) on all inputs, by definition it would not be Omega(n²), and therefore would not be Theta(n²)
- 5. YES, since for even input it is Theta(n²), and for odd input it is Theta(n²), then for all input it is Theta(n²)