1 / 1 point

 $n^2 + n - 2$

Question 2

 $n^2 + 2n + 1$

 $n^2 + 2n - 2$

 $n^2 - n$

 $n^2 + 2n$

```
Question 1
                                                                                                              0 / 1 point
 What is the Basic Operation in the code or pseudocode shown below?
 Algorithm MinDistance (A[0..x-1])
 //Input: An array A[0..x - 1] of numbers
 dmin = infinity
 for i = 0 to x-1 do
      for j = 0 to x-1 do
          if i \models j and |A[i]-A[j]| < dmin
                  dmin = |A[i]-A[j]|
 return dmin
 Note: the vertical bars mean "absolute value", ie, "positive value of".
 Note: a single = is used for assignment.
  × (*) comparison of i to j
```

- assignment
- comparison of dmin

Consider the algorithm shown below. What is the output if the input is A[2.1.4.1.2]?

```
Algorithm Secret(A[0..n-1])
//Input: An array A[0..n-1] of n real numbers
minval = A[0]
maxval = A(0)
for i = 1 to n-1 do
    if A[i] < minval
      minval = A[i]
    if A[i] > maxval
      maxval = A[i]
return (maxval - minval)
```

Note: a single = is used to indicate indicate assignment in the above algo.

Answer: 3 🗸



