Describe the purpose of the code below:

|  |
| --- |
| int x(vector<int> numbers)  {  int z = numbers[0];  for(int n : numbers) {  if(z > n){  z = n;  }  }  return z;  } |

Describe the purpose of the code below:

|  |
| --- |
| void x(int \*a, int \*b){  int \*c = \*a;  \*a = \*b;  \*b = \*c;  } |

Draw memory boxes that accurately represent the state of the computer's memory after the following code executes:

|  |
| --- |
| int some\_number = 5;  int \*number\_ptr = &some\_number; |

What is the value of main()'s some\_number after the following code executes:

|  |
| --- |
| int square(int &x){  x = x \* x;  return x;  }  void main(){  some\_number = 5;  square(some\_number);  } |