- 1. Call by value
  - Declare a point object p and intialise it. .
  - Print it out.
  - Write a function void translate(point q, int n) that adds the value of n to the x and y coordinates of the point and prints out the point.
  - Call the translate on p.
  - Print p out in main().
- 2. Call by reference using references
  - Write a function void translate2(point &q, int n) that adds the value of n to the x and y coordinates of the point and prints out the point.
  - Call the translate2 on p.
  - Print p out in main().
- 3. Call by reference using pointers
  - Write a function void translate3(point\* q, int n) that adds the value of n to the x and y coordinates of the point referenced by q and prints out the point.
  - Call the translate3 on p.
  - Print p out in main().
- 4. An array of points
  - Declare an array pArray of point objects and initialise the members of the array.
  - Print each member of the array out.
  - Pass each member of the array in turn to translate and then print the array out again.
  - Write a function void translate4(point q[], int n) that adds the value of n to the x and y coordinates of the every point in the array q and then prints all the point objects in the array.
  - Call the function on pArray.
  - Print out the members of pArray.

## Reminder

- The class point
  - The point class contains two private data members x and y.
  - The class contains public functions set(x, y) to set the values of x and y, functions getX(0 abd getY() to retrieve the values of x and y, and a function print() to print the values of x and y.