Name:

Function 1. Fill in the blanks to form a function that prints the contents of an array.

```
void PrintArray( _____ ___, int nA )
{
   ____( ______ i = 0 ; i < ____ ; i++  )
   {
      cout << A[i];
   }
}
```

Function 2. Fill in the blanks to form a function that reads values from a file and stores them in an array.

```
_____ ReadArray( _______________ fIn, ____ A[], _______ int maxA )
{
   _____ iTmp;

   int i = _____;      // _____________________

   ______ ( fIn >> _______ && i < _____  )
   {
      _______ = _____;
      i++;
   }

   _________ i;        //  ____________________
}
```

Function 3. Fill in the blanks to form a function that finds the minimum value in an array of integers.

```
____ MinArray( _____ A[], _____ nA )
{
   ____ min = ______;  // assume first value

   _____ ( int i = ____ ; i < _____ ; i++ )
   {
      if( ______ < _______ )
         _____ = _____;
   }

   return _______;
}
```

Function 4. Fill in the blanks to form a function that calculates the sum and average of an array of real numbers.

```
________  CalcSumAverageArray( _______ A[], ____ nA, double& sum, double& avg )
{
   sum _________           //  sum of _______
   int i = ______ ;

   _______ (  i < nA )     //  _________________
   {
      sum ____ ______;

      ________             //  _________________
   }

   avg = _____________;
}
```

Function 5. Fill in the blanks to form a function that calculates the geometric mean of an array of real numbers. Note: `fpow(x,y)` is used for x^y to calculate the nth root. The geometric mean is defined as:

$$x_{gm} = (x_1 \cdot x_2 \cdot \ldots \cdot x_n)^{1/n}$$

```
__________  GeometricMean( double A[], int nA )
{
   double prod _________   //  Product of ___, start at _____


   ______( ____ i = 0 ; i < _____ ; i++ )
   {
      prod *= _____;
   }

   double gm = fpow( prod, _____________ );

   return ______;
}
```