**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ HILLEL ACADEMY HIGH**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ MATHEMATICS DEPARTMENT**

**IB PRIOR KNOWLEDGE REVIEW**

***Complete the following in your notebook showing all work!***

1. Find the numbers of significant figures in the following measurements:
   1. 4035 km \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. 2.0016mm \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. 300cm \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. 56004 Kg \_\_\_\_\_\_\_\_\_\_\_\_\_\_
   5. 0.001600 mm \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Round the following values to the number of significant figures given:
   1. 0.347 (2 s.f.)
   2. 45627 (4 s.f.)
   3. 0.4523 (2 s.f.)
3. Solve for x:
   1. (Graph Solution)
4. Solve the equation:
   1. The factors of the function are
      1. Determine the values of a, c and k
      2. Find the x – intercepts for the graph y = f(x)
      3. Find the equation for the line of symmetry
      4. Find the minimum value of f(x)









