CMPS5P: Introduction to Python - Quiz 2

1. What keyword must be used to access all functions in the `math` library?
   ```python
   import math
   ```

2. Name two Python data types.
   ```python
   int
   str
   float
   bool
   ```

3. What will be the output of the following Python program fragment?
   ```
   2 : 8
   0 : 0
   2 : 8
   1 : 1
   4 : 64
   2 : 8
   ```

4. What will be the output of the following Python program fragment?
   ```
   2
   3
   4
   36
   ```

5. Write a short Python program that asks the user for a number between 4 and 17 (inclusive). If the user enters a number in the range, print the message ‘‘Good job following instructions!’’. If the user enters a number outside of the range, print the message, ‘‘You didn’t enter a valid number.’’.
   ```python
   valid = [str(x) for x in list(range(4, 17+1))]
   n = input("provide a number between 4 and 17 inclusive:")
   if n in valid:
       print("Good job following instructions!")
   else:
       print("You didn’t enter a valid number.")
   ```