Define a row vector \( x \) with entries \{9.5013, 2.3114, 6.0684, 4.8598, 8.9132\}.

1. Using “num2str”…
   a. Create a string \( s1 \) from \( x \).
   b. Create a string \( s2 \) from \( x \) with a floating point format (%g).
   c. Create a string \( s3 \) from \( x \) with three digits of precision.
   d. Create a string \( s4 \) from \( x \) with integer format (%d). Round \( x \) first.

Vertically concatenate these four strings into a single character array, then convert this array into a matrix of numbers with “str2num.”

2. Using “sprintf”…
   a. Create a string \( s2 \) from \( x \) with a floating point format (%g).
   b. Create a string \( s3 \) from \( x \) with three digits of precision.
   c. Create a string \( s4 \) from \( x \) with integer format (%d). Round \( x \) first.

Vertically concatenate these three strings into a single character array and transpose it, then convert this array into a 5x3 matrix of numbers with “sscanf.”