Read chapter 5.

For the first three problems, show the output of the print statements. Be sure to indicated all blank spaces and new lines. Assume the variables have the following values:

\[ a = 3.5, \quad b = 178.8, \quad c = 0.00204 \]

1. \[
\text{print 10, a, b, c}
\]
\[
10 \text{ format}(1x,f6.2,t20,2f7.4)
\]

2. \[
\text{print 20, a, b, a, c}
\]
\[
20 \text{ format}(1x,'a = ',f5.2,5x,', b = ',e9.2/
\& 1x,'a = ',f5.2,5x,', c = ',e9.2)
\]

3. \[
\text{print 30, a, b, c}
\]
\[
30 \text{ format}(1x,'Results'/
\& 1x,'a',10x,'b',10x,'c'/
\& 1x,f4.2,2f12.3)
\]

(continued on back)
For the following problems, assume $i$ and $j$ are integers and $a$ and $b$ are real variables.

4. Consider the following code:

```fortran
read 40, i, j, a, b
40 format(2i3,2f5.3)
```

To what values are the variables $i$, $j$, $a$ and $b$ set if the user enters “1234567890123456”?

5. Using the same read and format statement as the previous problem, to what values are $i$, $j$, $a$ and $b$ set if the user enters “1234567.89012.3456”?

6. Consider the following code:

```fortran
read 60, i, a, j, b
60 format(2(i3,f5.3))
```

To what values are the variables $i$, $j$, $a$ and $b$ set if the user enters “1234567890123456”?

7. Using the same read and format statement as the previous problem, to what values are $i$, $j$, $a$ and $b$ set if the user enters “1234567.89012.3456”? 