

How to Do Page 519 Example 2a) Using TI-83/84

Use TI-83/84 to evaluate ${}_9P_4$.

Method A: Use Factorial Notation

- On the home screen, press 9 **MATH**.
- Use the arrow keys to select PRB and then 4: ! as shown in Figure 1.

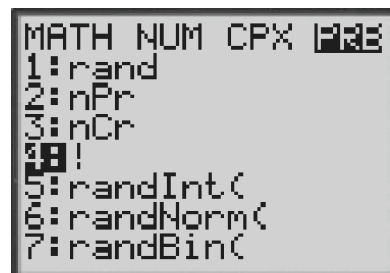


Figure 1

- Press \div () 9 $-$ 4 () **MATH**.
- Use the arrow keys to select **PRB**.
- Press 4 **ENTER**. You will see Figure 2.

(Note: If you are not at the home screen, press **2nd** **MODE**. If you want to clear the home screen, press **CLEAR**.)

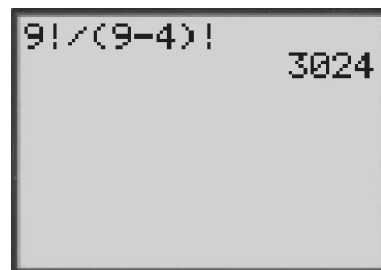


Figure 2

Method B: Use the Permutation Tool

- On the home screen, press 9 **MATH** and then use the arrow keys to select PRB.
- Select 2: nPr as shown in Figure 3. Press 4 **ENTER**. You will see Figure 4.

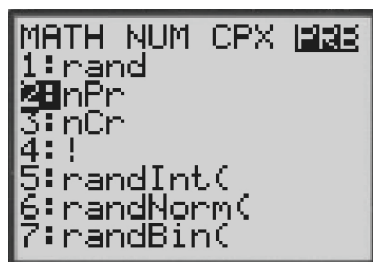


Figure 3



Figure 4

