

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.

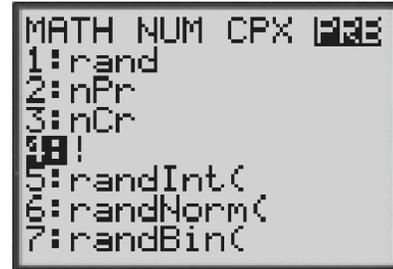


Figure 1

- 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]**.)

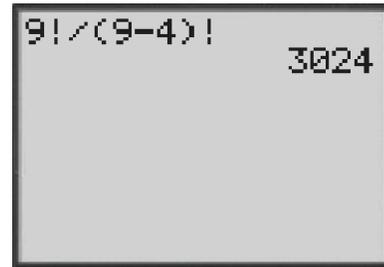


Figure 2

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.

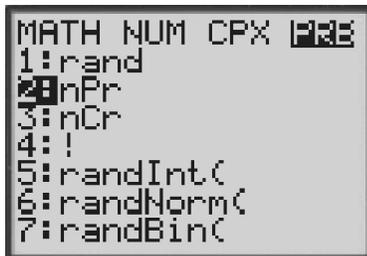


Figure 3



Figure 4

