



PURE MATHEMATICS

CALCULATOR TUTORIALS FOR CASIO CLASSWIZ FX 991-EX

Skill 1: Storing Values

1. Have value required on screen
2. Select **STO**
3. Assign number to letter, A, B, C.. (red superscript)
4. Confirm **=**

Skill 2: Recalling Values

1. **ALPHA**
2. Recall, **STO**

Skill 3: Solving Simultaneous Equations

1. **MENU**
2. **(-)**
3. **1**
4. Select number of unknowns
5. Type equations
6. **▼** to scroll through solutions

Skill 4: Solving Polynomial Equations

1. **MENU**
2. **(-)**
3. **2**
4. Select degree (highest power of variable)
5. State a , b and c values
6. **▼** to scroll through solutions

Skill 5: Definite Integrals

1. **∫**
2. Use **x** to define variable
3. Enter limits
4. **=**

Skill 6: First Derivative at a Point

1. **SHIFT**
2. **∫**
3. Use **x** to define variable
4. Enter x coordinate of given point
5. **=**

Skill 7: Performing Vector Calculations

1. **MENU**
2. **5**
3. Define VctA: **1**
4. Define dimensions **2** or **3**
5. Input values
6. **=**
7. **OPTN**
8. **1**
9. Repeat steps 1 – 8 for all vectors
10. **AC**
11. Perform operation using **OPTN** to find and use vectors

Skill 8: Setting up an Arithmetic Sequence

1. **MENU**
2. **8**
3. Type **1** into A1, **=**
4. Navigate to A2, **OPTN**, **1**
5. **▶**, fill formula as $A1 + 1$
6. Type range as number of terms required
7. **=**
8. Navigate to B1, **OPTN**, **1**
9. Fill in formula replacing n with A1
10. Type range as number of terms required
11. **=**

Skill 9: Sum of Arithmetic Sequence

1. Complete skill 8
2. Navigate to any empty cell
3. **OPTN**, **▼** x 3, **4**
4. State number of terms needed
i.e, B2:B20
Note: **ALPHA**, **∫** for “:”
5. **=**

