**8.4 The Determinant of a Square Matrix**

**The Determinant of a matrix**

 determinant

Ex: Find the determinant of each matrix

**The Determinant of a matrix**

**Method #1**

**Method #2 (expanding using minors)**

 Expand using any row or column and these signs

To find the minor of an element – cross out the row and column the element is in.

Using row 1:

Using row 2:

**Method #3 – Using a calculator**

 Enter matrix A then find: det

**Solve for *x***