**JESUS AND MARY SCHOOL AND COLLEGE**

**CLASS-12 ( MATHS )**

**CHAPTER NAME – DETERMINANTS**

**WORKSHEET -1**

**Q.1.** Evaluate the following determinants:

(a) (b)

**Q.2.** Find the value of x. If .

**Q.3.** Find the minors and cofactors of elements of determinant

**Q.4.** Write down the minors of and in .

**Q.5.** Write down the cofactors of 3 and -2 of the determinant .

**Q.6.** Evaluate the following determinants:

(a) (b)

**Q.7.** Show that .

**Q.8.** If one root of is , find the other roots.

**Q.9.** Express the value of the determinant in terms of the minors of the third row.

**Q.10.** Find the area of the triangle whose vertices are: .

**Q.11.** Find x so that the points, be on a line.

**Q.12.** If are collinear, then using determinants prove that

**Note**- **Please do this assignment in your old copies. It will be checked when the school re-opens.**

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