

Math 304, Section 5 — Quiz 11 – March 15

Name: \_\_\_\_\_

1. Find the determinants of the following matrices:

$$A = \begin{bmatrix} 1 & 5 & 7 \\ 2 & 4 & 6 \\ 2 & 2 & 2 \end{bmatrix} \quad B = \begin{bmatrix} 1 & 2 & 3 & 2 & 1 \\ 3 & 2 & 3 & 4 & 2 \\ 0 & 0 & 0 & 4 & 0 \\ 0 & 2 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 5 \end{bmatrix}$$

2. Find the determinant of the matrix

$$V = \begin{bmatrix} 1 & 2 & 2^2 \\ 1 & 3 & 3^2 \\ 1 & 5 & 5^2 \end{bmatrix}$$