

Determinants – Answers

Problem 1

- (a) $\det A = 13$, A is invertible.
- (b) $\det A = 0$, A is not invertible.
- (c) $\det A = 0$, A is not invertible.
- (d) $\det A = 8$, A is invertible.
- (e) $\det A = 0$, A is not invertible.
- (f) $\det A = -14$, A is invertible.

Problem 2

- (a) $x \notin \{1, -1\}$
- (b) $x \notin \{1, 2, 4\}$
- (c) $x \notin \{0, 3\}$
- (d) $x \notin \{3, 10\}$