## Term Test A version 1

- **(1)** [5 points]
- **(2)** [5 points]
- (3) [5 points] Determine how many solutions the following system of equations has. Your answer should be none, one, or infinitely many. Show your work.

(4) [5 points] The following points lie on a parabola  $y=ax^2+bx+c$ : P=(3,28), Q=(-1,12), R=(2,15). Determine the coefficients of the parabola.