Term Test A version 1

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

(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.