

## Ceng 375 - Quiz 3

For Thursday section (OPEN SOURCE quiz)

1. Construct the normal equations of least-squares method if a linear relation is suggested. Describe briefly at each step.
2. Find the parabola  $y = A + Bx + Cx^2$  that passes through the three points  $(0, 5)$ ,  $(1, 2)$  and  $(2, 1)$ .

For Friday section (OPEN SOURCE quiz)

1. Construct the normal equations of least-squares method if a linear relation is suggested. Describe briefly at each step.
2. Find the parabola  $y = A + Bx + Cx^2$  that passes through the three points  $(-1, -3)$ ,  $(0, -4)$  and  $(1, 1)$ .