Group members (2 to 4):

(1) Compute the value of the vector line integral $\int_C F \cdot dr$ where F = (2y, x) and C is any path from (-1, -1) to (2, 2) that **does not** pass through (0, 0). Be clear about what is your choice of path.

(2) Compute the scalar line integral $\int_C (y^2 + z)ds$ where C is the line segment from (3,4,0) to (1,4,2).