Problem 1

Forgot A or minus sign or used dt instead of dx = - 1/3 point

No points off for having q” instead of q

Q dot instead of q is nothing either, but warrants a note

Problem 2

Direction arrow wrong = - ½ point

Didn't identify one of the modes = - 1 point

Drew an extra q = - ½ point if nothing else is wrong

Radiation arrows going up or down I let slide

Q dot and such ignored

Problem 3

Didn't take out Egen = - ½ point

Didn't identify Esys/dt = ½ point

Ignored the q's unless it's all that they put down.

Used work instead of energy or similar nomenclature error = -1/2 point

Lack of dot on E and such ignored

Problem 4 - 1st part

At least some things right = ½ credit

Problem 4 - 2nd part

Saying T and not T2 at x=0 = Allowable, +1 point

Saying constant temperature at surface or Dirichlet conditions and not at T2 = ½ point

If they do not specify where the constant heat flux or constant temperature is at all, no points awarded.

Stating the names of the conditions but not really specifying where they’re applied = ???

Wonky wording of the first boundary condition is acceptable as long as it can get the point across is allowable, +1 point

Only saying “Convection surface B.C.” = ½ point