MATH 046 020-QUIZ 4, SPRING 2018

Name: _____

1 (5 pts). Determine if the ODE is exact and compute the solution if it's exact:

$$(t^2 - x)dt - tdx = 0,\ x(1) = 5$$

2 (5 pts). Determine if the ODE is exact and compute the general solution if it's exact:

$$2ye^{2x}dx + (1 + e^{2x})dy = 0$$