Quiz 2 Show your work
Feb 19, 2016 Circle your answer.

[10] 1.) Given that $y(x) = x^{\frac{3}{2}}$ and $y(x) = \frac{1}{x}$ are solutions to $2x^2y'' + xy' - 3y = 0$, state the general solution to this 2nd order homogeneous linear differential equation:

[10] 2.) Solve: $y' = y\ sin(x) + y$.