Gradescope Assignment: Due 3/17/21
0 pts for no work
2 pts for attempt
4 pts for full answer

1. (Short) 3.2.23

2. (Short) The differential equation

$$\frac{d^2y}{dx^2} - xy = 0$$

is called *Airy's Equation.* First, rewrite it as a two-dimensional system. Then, using Abel's Theorem (see the notes), show that its Wronskian $W(x)$ is a constant.