## Quantum Programming HW5

B490 : Spring 2020

Joshua Larkin

- 1 2.2.9
- 2 2.2.10
- 3 2.2.11
- 4 2.2.14
- 5 2.3.1

Show that the following set of vectors is not not linearly independent.

$$\left\{ \begin{bmatrix} 1\\2\\3 \end{bmatrix}, \begin{bmatrix} 3\\0\\2 \end{bmatrix}, \begin{bmatrix} 1\\-4\\-4 \end{bmatrix} \right\}$$

- 6 2.3.x
- 7 2.3.x
- 8 2.3.x
- 9 2.3.x
- 10 2.3.x
- 11 2.3.x
- 12 2.3.x
- 13 2.3.x
- 14 2.3.xx
- 15 2.4.x
- 16 2.4.xx