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Homework 8

- A 1) To change it back to original $a|0\rangle + b|1\rangle$ Bob requires to add an X gate.
- 2) To change it back to original $a|0\rangle + b|1\rangle$ Bob requires to add an Z gate.
- 3) To change it back to original state $a|0\rangle + b|1\rangle$ Bob requires to add an X gate followed by a Z gate.