

$|0\rangle$

$\frac{|0\rangle - |1\rangle}{\sqrt{2}}$

$\frac{|0\rangle - i|1\rangle}{\sqrt{2}}$

$\frac{|0\rangle + i|1\rangle}{\sqrt{2}}$

$\frac{|0\rangle + |1\rangle}{\sqrt{2}}$

$|1\rangle$

