The normals are $\mathbf{n}_1=\langle 2,-3,4\rangle$ and $\mathbf{n}_2=\langle 1,6,4\rangle$ so the planes aren't parallel. Since $\mathbf{n}_1\cdot\mathbf{n}_2=2-18+16=0$, the normals (and thus the planes) are perpendicular.