Since the plane is perpendicular to the vector $\langle -2, 1, 5 \rangle$, we can take $\langle -2, 1, 5 \rangle$ as a normal vector to the plane.

$(6, 1, 4)$ is a point on the plane, so setting $a = -2$, $b = 1$, $c = 5$ and $x_0 = 6$, $y_0 = 1$, $z_0 = 4$ in equation $a(x - x_0) + b(y - y_0) + c(z - z_0) = 0$ gives $-2(x - 6) + 1(y - 1) + 5(z - 4) = 0$ or $-2x + y + 5z = 9$ to be an equation of the plane.