Solving a problem relating to camera rotation

Given the view plane, we have a unit vector representing the y axis and another representing the x axis, both parallel to the plane.

We have a point on the plane representing the middle of the screen, or (0, 0).

I want to find what combination of the two vectors offset from the middle point is equal to some arbitrary point on the view plane.

Essentially turning a 3D coordinate on a plane into a 2D coordinate.

2 = Z, +MC, + NC,

$$2 = 20 + ma_1 + na_2$$

 $2 = 20 + mb_1 + nb_2$
 $2 = 20 + mc_1 + nc_2$

$$x = 20 + ma_1 + na_2$$

 $ma_1 = x - 20 + na_2$
 $M = (x - 20 + na_3)/a_1$ (4)

$$n = \left[2 - 20 - \frac{x - 20 + n a_0}{a_1} b_1 \right] \Rightarrow b_2$$

$$n = \left[2 - 20 - \frac{x - 20 + n a_0}{a_1} b_1 \right] \Rightarrow b_2$$

$$n = \left[x - x_0 - \frac{y - y_0 + nb_a}{b_1} a_1 \right] \Rightarrow a_2$$

$$m = (2 - 20 + n C_3)/C_1$$

$$n = \left[x - x_0 - \frac{2 - z_0 + nc_a}{c_1} a \right] \Rightarrow a_2$$