

XYZ-intercepts

$$ax + by + cz = d$$

Just like with lines, we can define

x-intercept: $\frac{d}{a}$ y-intercept: $\frac{d}{b}$ z-intercept: $\frac{d}{c}$

These three points define the plane

Question

I just lied

Give an example of a linear equation that defines a plane with an x -intercept and y -intercept but no z -intercept