- 11. It is sometimes useful to be able to write an equation of a plane in terms of its intercepts. If a, b, and c represent the x-, y-, and z-intercepts, respectively, then the resulting equation is $\frac{x}{a} + \frac{y}{b} + \frac{z}{c} = 1$.
 - a. Determine the equation of the plane that has x-, y-, and z-intercepts of 4, and 6, respectively.
 - b. Determine the equation of the plane that has x- and z-intercepts of 5 and -7, respectively, and is parallel to the y-axis.
 - c. Determine the equation of the plane that has no x- or y-intercept, but has a zintercept of 8.

23+4+===1

b 2 + 2 + 2 = 1

© 7/1 or 7=8

15-7-1

parallel to y-axis means that y can be anything tis a paramote