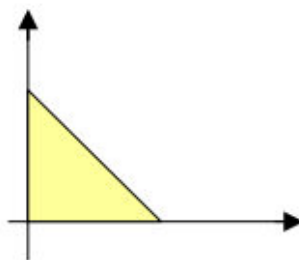
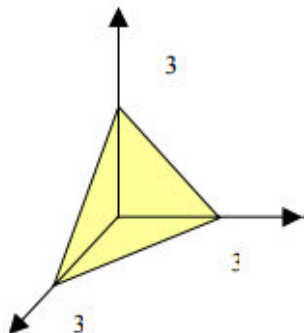


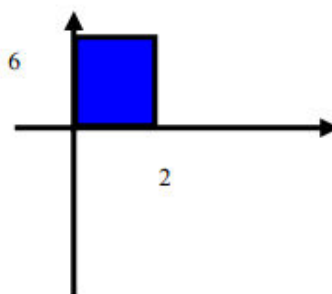
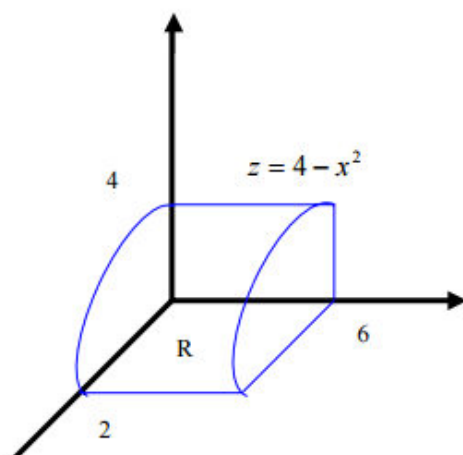
1. Determinar o volume do Sólido limitado pelos planos coordenados pelo plano $x + y + z = 3$ no 1º octante.



$$\text{Planos Coord.} \begin{cases} x = 0 \\ y = 0 \\ z = 0 \end{cases}$$

$$R \begin{cases} 0 \leq x \leq 3 \\ 0 \leq y \leq 3 - x \end{cases}$$

2. Determinar o volume do sólido limitado por $z = 4 - x^2$; $x = 0$; $y = 6$; $z = 0$; $y = 0$.



3. Determinar o volume do sólido limitado no 1º octante pelos cilindros $x^2 + y^2 = a^2$ e $x^2 + z^2 = a^2$.

