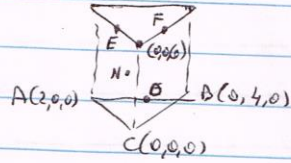


4.27



$$D = (1, 2, 0) \quad (7c)$$

$$B' = B + \vec{CE} = (0, 4, 6)$$

$$F = (0, 2, 6)$$

$$A' = A + \vec{CE} = (2, 0, 6)$$

$$E = (1, 0, 6)$$

	$x-1$	$y-2$	$z$	
$\vec{FD}$	1	0	-6	$= 12(x-1) + 6(y-2) + 2z = 0$
$\vec{ED}$	0	2	-6	

$$6x + 3y + z = 12$$

$\vec{N} = (1, 2, 3-2)$  &  $M(0,0,2)$   $\vec{N} = (1, 2, 3)$   $(7d)$

$(6, 3, 1)$  DEF  $\vec{N}$   $\vec{N}$   $\vec{N}$   $\vec{N}$   $\vec{N}$

$$0 = (6, 3, 1) \cdot (1, 2, 3-2) = 6 + 6 + 3 - 2 \rightarrow z = 15 \rightarrow M = (0, 0, 15)$$

$\vec{CN} = t(1, 2, 3)$   $(7e)$

$$0 = 6t + 6t + 3t - 12 \rightarrow t = \frac{4}{5}$$

$(\frac{4}{5}, \frac{8}{5}, \frac{12}{5})$   $\vec{N}$