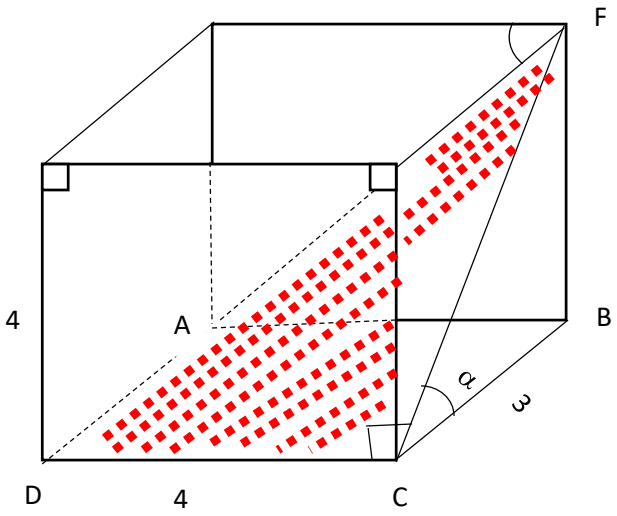
Space 1

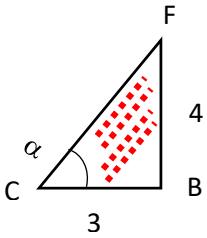


Find the angle α between planes P and π , DCF is the plane P the floor is π.

Calculate

(1) $t_g\alpha$ = ?
(2) DF = ?
(3) Area $A_{\Delta DEF}$ = ?

α is the angle between planes P and π



$t_g\alpha = \frac{4}{3}$

$(CF)^2 = 3^2 + 4^2$

$(CF)^2 = 25$, $CF = 5$

$(DF)^2 = 4^2 + (CF)^2$

$(DF)^2 = 4^2 + 25 = 41 \Rightarrow DF = \sqrt{41}$

(3) The area of ΔDCF $A = \frac{4.5}{2} = 10$