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Class/ La Classe:

Date / La date:

Test in/ Examen de :

Time / La durée :

Then, variable point G keeps a constant distance with fixed point O.
 Thus, G describes a circle of center O and radius $[OG]$ as r varies $f(C)$.

2nd Exercise

Slope \nearrow eqn of (L) : $y = 8x + b$

$L \perp D$ $\cdot 5 = 8(0) + 5$
 $5 = 5$

belong to (L) $\cdot 0 = 8(6) + 5$
 $5 = -\frac{5}{6}$

cardinal solution for eqn. $5 = -\frac{5}{6}$

eqn of (L) = $y = -\frac{5}{6}x + 5$ (y-intercept is 5)

(L) \perp (T)

$$\left(-\frac{5}{6}\right) (\text{Slope}(T)) = -1$$

$$\text{Slope}(T) = -\frac{1}{-\frac{5}{6}}$$

$$\text{Slope}(T) = \frac{6}{5}$$

$$\text{eqn}(T) : y = \frac{6}{5}x + 5$$

$$\text{or } 5y - 6x - 25 = 0$$