S · T · Q · Q · S · S · D
L M M J V S D

Cálculo II

a) $r = 2$

$x = r \cos \theta$
$y = r \operatorname{sen} \theta$

$x^2 + y^2$

$x^2 + y^2 = r^2 \cos^2 \theta + r^2 \operatorname{sen}^2 \theta$
$x^2 + y^2 = r^2 (\cos^2 \theta + \operatorname{sen}^2 \theta)$
$x^2 + y^2 = r^2 \cdot 1$

$x^2 + y^2 = 2^2 = 4$ //

b) $5 \cos \theta$

$x = r \cos \theta$
$y = r \operatorname{sen} \theta$

→ Multiplicar por R

$r = 5 \cos \theta$
$r^2 = 5r \cos \theta$
↓ ↘
$x^2 + y^2 = 5x$

$x^2 - 5x + y^2 = 0$

→ Somar 1

$x^2 - 5x + 1 + y^2 = 1$ //