

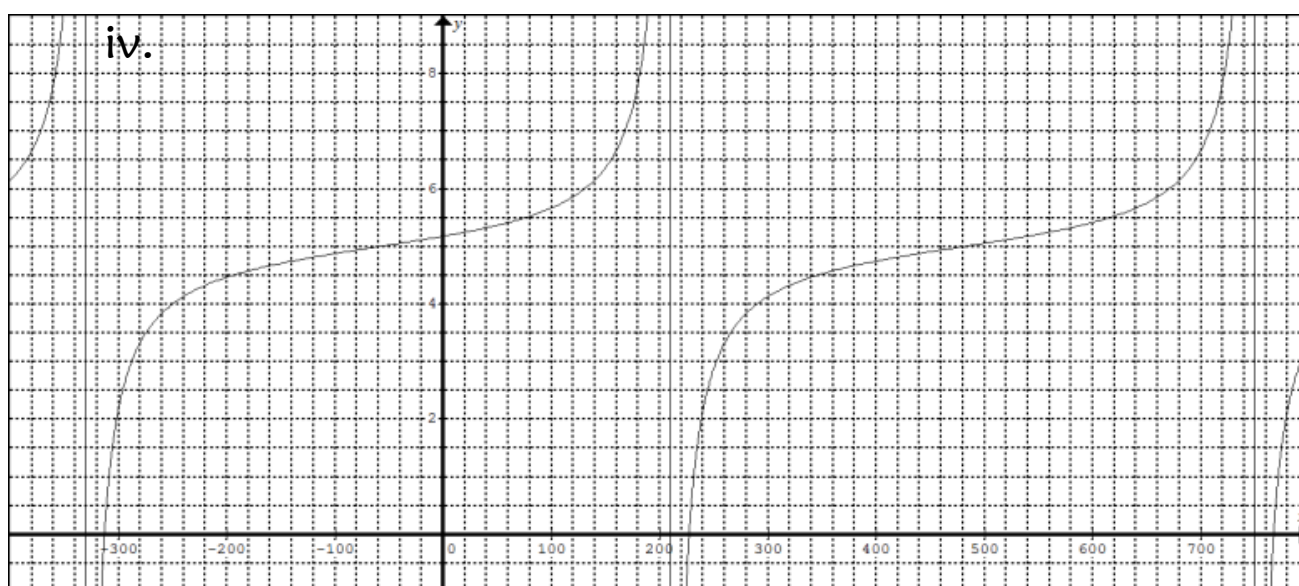
**TRANSFORMATIONS OF  $Y = \tan X$**

1. i.  $2(y - 5) = \tan (1/3)(x + 60^\circ)$

ii.  $540^\circ$

iii.  $(x, y) \Rightarrow (3x - 60^\circ, \frac{1}{2}y + 5)$

iv.

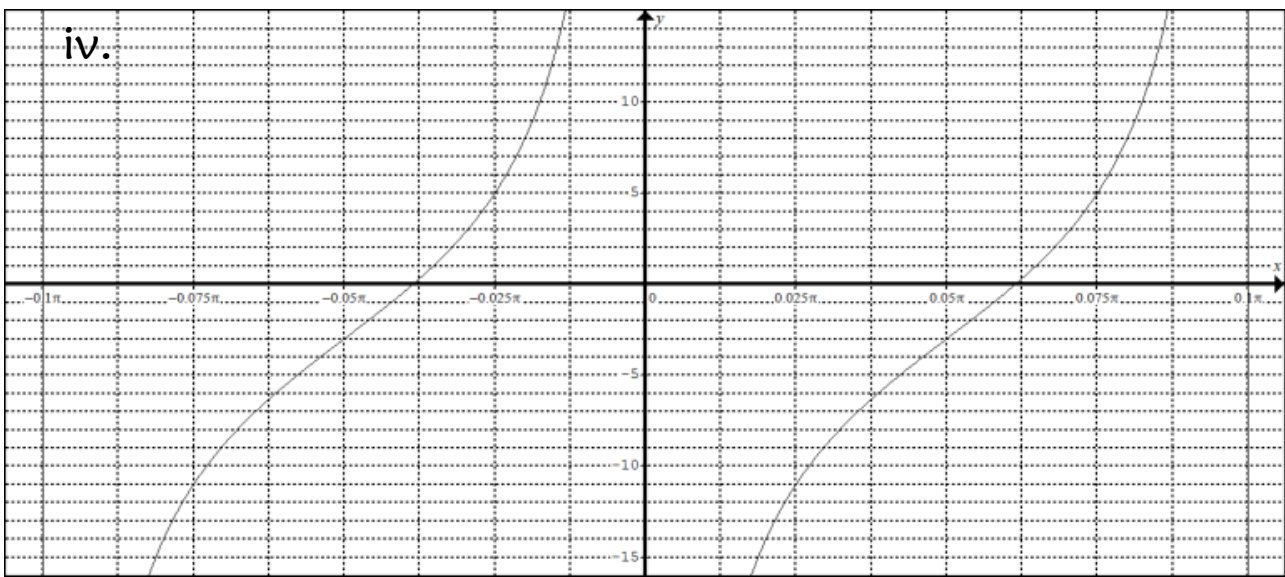


2 i.  $(1/8)(y + 3) = \tan 10(x + \pi/20)$

ii.  $\pi/10$

iii.  $(x, y) \Rightarrow ((1/10)x - \pi/20, 8y - 3)$

iv.



$$3. \ 3(y - 2) = \tan 4(x - 22.5^\circ)$$

