

3.36  
3'25

$$f = 2R \sin \beta + 2R \sin(\alpha + \beta)$$

$$0 = f'_\beta = \cancel{2R \cos \beta} + \cancel{2R \cos(\alpha + \beta)}$$

$$-\cos \beta = \cos(\alpha + \beta)$$

$$\cos(\pi - \beta) = \cos(\alpha + \beta)$$

$$\pi - \beta = \alpha + \beta$$

$$\pi = \alpha + 2\beta$$

$e'' \in \mathbb{N}$

$$\pi - \beta = -\alpha - \beta$$

$\phi$

$$2 \cdot 2R \sin\left(\frac{180^\circ - \alpha}{2}\right)$$

$$\rightarrow \boxed{4R \cos\left(\frac{\alpha}{2}\right)}$$

