13. caushuchm
$$(1:5)$$

$$y_1$$

$$\Delta y = y_1$$

$$\Delta y = 28^\circ$$

calculation:
$$y^2 = y_1^2 + y_2^2 - y_1 \cdot y_2 \cdot \cos \alpha$$

$$y^2 = y_1^2 + y_2^2 - y_1 \cdot y_2 \cdot \cos \alpha$$

$$y = \sqrt{15^2 + 25^2 - 15 \cdot 25} \cdot \cos \alpha$$

$$\sin \alpha \phi \cdot y_1 = \sin \alpha \cdot y$$

$$\cos \alpha \phi = \cos \alpha \cdot \sin \alpha \cdot y = \cos \alpha \cdot \sin \alpha \cdot \sin \alpha$$

$$\cos \alpha \cdot y = \cos \alpha \cdot \sin \alpha \cdot \cos \alpha \cdot \cos \alpha \cdot \cos \alpha \cdot \cos \alpha$$

14.
$$T' = \frac{q}{10} \cdot T$$
 $\rightarrow f' = \frac{10}{9} \cdot f$
 $\rightarrow f = f' - f = \frac{1}{9} \cdot f \Rightarrow f = 9 \cdot 4f = 45 \text{ Hz}, f' = 50 \text{ Hz}$

6) only foot and third one

