

$\sin \frac{25}{36}\pi - \sin \frac{23}{36}\pi + \sin \frac{1}{36}\pi$ を計算すると,

$$\sin \frac{25}{36}\pi - \sin \frac{23}{36}\pi + \sin \frac{1}{36}\pi = \sin \left(\frac{2}{3}\pi + \frac{1}{36}\pi \right) - \sin \left(\frac{2}{3}\pi - \frac{1}{36}\pi \right) + \sin \frac{1}{36}\pi$$

$$= \boxed{} \cos \frac{\boxed{}}{\boxed{}}\pi \sin \frac{\boxed{}}{\boxed{}}\pi + \sin \frac{1}{36}\pi = \boxed{}$$

〔玉川大〕