

氏名 \_\_\_\_\_

(1)  $\int_0^{\frac{\pi}{2}} \sin^n x dx$  を計算せよ

(2)  $\int_0^{\frac{\pi}{2}} \sin^9 x dx$  を計算せよ

(3)  $\int_0^{\frac{\pi}{2}} \sin^{10} x dx$  を計算せよ