

HW 10

$$\textcircled{1} \quad \left(\frac{1}{8} \right)$$

.54547

so not accurate

$$\textcircled{2} \quad \sum_{n=0}^{\infty} \frac{2 \cdot 2^n}{2 \cdot 2^n} \left(\frac{1}{8} \right)^{n+1} = 3.1459$$

~~3~~

3.1456

~~4~~ 5 digits