Full n	ame(s):	
cun n	ame(s).	

## Questions

- 1. Compute the following integrals
  - 1.  $\int_{\frac{1}{4}}^{\frac{3}{2}} \theta \cos(\theta^2) \sin(\theta^2) d\theta$

  - 2.  $\int (x^4 + x^{-4}) \ln(x) dx$ 3.  $\int_1^e \frac{\tan(\frac{\pi}{4}\ln(s))}{s} ds$ 4.  $\int_0^1 e^{2t} \sin(\pi t/2) dt$