Name:	Sort #:
Name.	SOLU #

Worksheet 11 Improper Integrals

MATH 2205, Fall 2018

$$1. \int_{1}^{\infty} \frac{1}{z^2} \sin\left(\frac{\pi}{z}\right) dz$$

$$2. \int_{1}^{\infty} \frac{1}{(x-1)^{1/3}} \, dx$$

3.
$$\int_{-2}^{3} \frac{1}{x^4} dx$$

$$4. \int_{-\infty}^{\infty} x e^{-x^2} \, dx$$