<b>MATH</b>	202,	<b>Spring</b>	2024
	,	P0	

Row and Seat:

In class work 13

In class work **13** has questions **1** through **1** with a total of **8** points.

"When you're good to others, you're best to yourself."

BENJAMIN FRANKLIN

- 1. Find the numeric value of each improper integral.

[2] (b)  $\int_0^\infty \frac{1}{x\sqrt{1+x^2}} dx$ . **Hint:** Try a substitution x = 1/z.

[2] (c) 
$$\int_{1}^{\infty} \frac{1}{x^{\frac{11}{10}}} dx$$
.

$$\boxed{2} \qquad \text{(d) } \int\limits_{1}^{\infty} \frac{1}{x^{\frac{9}{10}}} \, \mathrm{d}x.$$