

Name: _____

MA 2320: Quiz 4

1. $\int \frac{1}{\sqrt{4-9x^2}} dx$
2. $\int \frac{1}{\sqrt{1+x^2}} dx$
3. $\int \sqrt{1+x^2} dx$
4. $\int \frac{x-1}{x(x^2+1)} dx$
5. $\int \frac{2x^3+4x^2+5x+5}{(1+x)(2+x)(1+x^2)} dx$
6. $\int_0^1 \frac{1}{\sqrt{x}} dx$
7. $\int_1^\infty \frac{1}{\sqrt{x}} dx$
8. $\int_0^1 \ln(x) dx$ Hint: use by parts to integrate.