

Math 2254-05 Skills Test #2 February 16, 1999

Directions

You must show your work on this test paper. You may not use a calculator. There is no partial credit. There is no credit for answers without supporting argument. Your score on this test will **not** be dropped.

Each question is worth 10 points.

1. $\int \frac{5}{3x-2} dx$

2. $\int x^3 e^{x^4} dx$

3. $\int \frac{dx}{x^2 + 3x - 10}$

4. $\int x\sqrt{3x^2 + 5} dx$

5. $\int \frac{\sin(1/x)}{x^2} dx$

6. $\int 4e^{6x} dx$

7. $\int x \ln(x) dx$

8. $\int \frac{x}{x^2 + 1} dx$

9. $\int \sqrt{2x - 3} dx$

10. $\int x \cos(x) dx$