

Skills Test Practice

MA2160 Spring 2007

Name _____

1. $\frac{d}{dx}(\sin x)$

_____ [1]

2. $\frac{d}{dx}(x)$

_____ [1]

3. $\frac{d}{dx}(-3e^x + 7 \arctan x)$

_____ [1]

4. $\frac{d}{dx}(\ln(\cos x))$

_____ [1]

5. $\frac{d}{dx}(e^{\sqrt{x}})$

_____ [1]

6. $\frac{d}{dx}\left(\frac{2^x}{x}\right)$

_____ [1]

7. $\int e^{3x} dx$

_____ [1]

8. $\int \frac{2}{x} dx$

_____ [1]

9. $\int (-6 + \frac{1}{x^{3/2}} + 3x^2) dx$

_____ [1]

10. $\int \sin(3x) dx$

_____ [1]