

AP:

Homework
3/5-3/9

on: Tuesday: test

due: Wednesday: Evaluate:

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| 1. $\int \frac{\sin x dx}{2 + \cos x}$ | 6. $\int \cos 2x (\sin^3 2x) dx$ |
| 2. $\int \tan^3 2x \sec^2 2x dx$ | 7. $\int (1 + \cos x)^5 \sin x dx$ |
| 3. $\int \sec 7x \tan 7x dx$ | 8. $\int \sec^3 x \tan x dx$ |
| 4. $\int \frac{\sin(\ln x)}{x} dx$ | 9. $\int \sec^2 2x \cos(\tan 2x) dx$ |
| 5. $\int \cot^3 x \csc^2 x dx$ | 10. $\int \cot 2x \csc^4 2x dx$ |

Thursday: Evaluate:

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|---------------------------|------------------------------------|---|
| 1. $\int \tan 5x dx$ | 4. $\int \csc(3x + 1) dx$ | 7. $\int e^{2x} \tan(e^{2x}) dx$ |
| 2. $\int x \cot 3x^2 dx$ | 5. $\int 4 \cot(x - 1) dx$ | 8. $\int \frac{\csc \sqrt{x}}{\sqrt{x}} dx$ |
| 3. $\int \sec(2 - 7x) dx$ | 6. $\int \sec(\sin 9x) \cos 9x dx$ | |

Friday: Evaluate:

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|--------------------------------|------------------------|--------------------------------|
| 1. $\int \cos^3 2x dx$ | 3. $\int \tan^2 6x dx$ | 5. $\int \csc^4 7x dx$ |
| 2. $\int \sin 9x \cos^5 9x dx$ | 4. $\int \cot^3 3x dx$ | 6. $\int \sin^3 x \cos^2 x dx$ |

Monday: Evaluate:

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|------------------------|--------------------------------|--------------------------------------|
| 1. $\int \sin^2 2x dx$ | 3. $\int \sin^2 x \cos^2 x dx$ | 5. $\int \cos^2 3x \sin^3 3x dx$ |
| 2. $\int \cos^2 3x dx$ | 4. $\int \frac{dx}{\cos^2 5x}$ | 6. $\int (\cos^2 6x - \sin^2 6x) dx$ |