

Name: _____
AP Calculus AB More Integration Practice

Date: _____
Ms. Loughran

1. $\int (e^{6\ln x} + e^{\frac{x}{4}}) dx =$

2. $\int x\sqrt{5x^2 - 4} dx =$

3. $\int \frac{dx}{9+x^2} =$

4. $\int x\sqrt{3x} dx =$

$$5. \int \frac{(x+1)^2}{3x} dx =$$

$$6. \int \frac{\ln^3 x}{x} dx =$$

$$7. \int \tan^6 x \sec^2 x dx =$$

$$8. \int e^x (e^{3x}) dx =$$