

Extra Homework 2 Final Answers

1. $-\frac{1}{7} e^{-7x} + C$

SHOW ALL STEPS

2. $\frac{1}{14} e^{14x} + C$

3. $-\frac{1}{2} e^{1-2x} + C$

4. $2e^{\sqrt{x}} + C$

5. $-\cos(e^x) + C$

6. $5 \sin\left(\frac{x}{5}\right) + C$

7. $\frac{\tan^4 \theta}{4} + C$

8. $-\frac{1}{18} (2-3x)^6 + C$

9. $-\ln|7-x| + C$

10. $\frac{2}{7} \sqrt{7x+5} + C$

11. $\frac{1}{5(3-5x)} + C$

$$12. \frac{1}{2} \ln|2x-1| + C$$

$$13. \frac{-2}{1+\sqrt{x}} + C$$

$$14. -\frac{1}{9} (7-3x^2)^{3/2} + C$$

$$15. \ln|\ln x| + C$$

$$16. -\frac{1}{\pi} \cos(\pi x + 1) + C$$

$$17. -\frac{(1-x)^{80}}{80} + \frac{(1-x)^{81}}{81} + C$$

$$18. \frac{(x+1)^{83}}{83} - 3 \frac{(x+1)^{82}}{82} + 3 \frac{(x+1)^{81}}{81} - \frac{(x+1)^{80}}{80} + C$$

$$19. -18\sqrt{3-x} + 4(3-x)^{3/2} - \frac{2}{5}(3-x)^{5/2} + C$$