

p. 524

16. $\frac{-9}{t-8} + C$

18. $\frac{(t^3-1)^{4/3}}{4} + C$

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

32. $-2(\cos x)^{1/2} + C$

38. $-\frac{1}{2} [\ln(\cos x)]^2 + C$

66. 0

70. $1 - \ln 4$

p. 387

2. $\frac{1}{2} \arcsin(2x) + C$

4. $4 \arctan(3x) + C$

11. $\frac{1}{10} \arctan\left(\frac{t^2}{5}\right) + C$

17. $\frac{1}{2}x^2 - \frac{1}{2} \ln(x^2+1) + C$

* I DID NOT ASSIGN
ANY INTEGRATION BY PARTS
ON THIS ASSIGNMENT
- IT WILL BE ON THE
AP 8-1 ASSIGNMENT

p. 561

7. $\frac{1}{6} \ln \left| \frac{x-3}{x+3} \right| + C$

8. $\frac{1}{4} \ln \left| \frac{2x-1}{2x+1} \right| + C$

12. $3 \ln|x| - 2 \ln|x-2| + 4 \ln|x+2| + C$

p. 379

44. $\frac{2t}{\sqrt{1-t^4}}$

50. $2x \arctan(5x) + \frac{5x^2}{1+25x^2}$