

Lesson 45/46

$$2 \quad a) \frac{1}{4} \tan(4x+1) + C$$

$$b) \frac{1}{6} (1+2y^2)^{\frac{3}{2}} + C$$

$$c) \frac{2}{3\pi} (\sin \pi \theta)^{\frac{3}{2}} + C$$

$$d) \frac{5}{9} (x^2+7x+3)^{\frac{9}{2}} + C$$

$$4a) \frac{2}{7} (1+x)^{\frac{7}{2}} - \frac{4}{5} (1+x)^{\frac{5}{2}} + \frac{2}{3} (1+x)^{\frac{3}{2}} + C$$

$$b) -\cot(\sin x) + C$$

$$c) -\cos(x-\pi) + C$$

$$d) -(x^5+1)^{-1} + C$$

$$34. \frac{1}{12} (\sin 2t)^6 + C$$