เฉลยแบบฝึกหัด 4.5

1. $\dfrac{8}{9}(x^3+1)^{\frac{3}{2}}+c$

2. $\dfrac{2\sqrt{3x+1}}{3}+c$

3. $\dfrac{(3x^2-2)^6}{36}+c$

4. $-\dfrac{1}{2(\sqrt{x}+3)^4}+c$

5. $\dfrac{15}{8}\left(x^4+2\right)^{\frac{2}{3}}+c$

6. $\sqrt{y^2+4y+2}+c$

7. $\dfrac{(z^2+1)^{\frac{7}{2}}}{7}-\dfrac{2(z^2+1)^{\frac{5}{2}}}{5}+\dfrac{(z^2+1)^{\frac{3}{2}}}{3}+c$

8. $\dfrac{2}{3}(x+2)^{\frac{3}{2}}-2(x+2)^{\frac{1}{2}}+c$

9. $\dfrac{2}{21}(7t+1)^{\frac{3}{2}}+c$

10. $-\dfrac{1}{12}\left(\dfrac{1}{5}(1-2x^3)^{\frac{5}{2}}-\dfrac{2}{3}(1-2x^3)^{\frac{3}{2}}+(1-2x^3)^{\frac{1}{2}}\right)+c$