Calculus Problem Test

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1. Solve
$$\int x^2 dx$$

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

④ $x^2 + C$

2. Solve
$$\int 4x^3 dx$$

① $x^4 + C$ ② $\frac{1}{x} + C$ ③ $x^2 + C$

④ $x^5 + C$

Answer Key

1. ① ① ③ ④ ⑤
6. ② ① ③ ③ ②
11. ② ⑤ ④ ② ③
16. ③ ④ ④ ① ②