**1.** $\int(3x^2 + 2x - 1)\,dx$. **2.** $\int \left( \frac{2}{x\sqrt{x}} - \frac{5}{x^2} \right)\,dx$.

**3.** $\int x^2(x^2 + 1)\,dx$. **4.** $\int (x^3+1)^2\,dx$.

**5.** $\int \frac{x^3 + 3x - 1}{x}\,dx$. **6.** $\int \frac{x^2 - 3x + 4}{\sqrt{x}}\,dx$.

**7.** $\int \frac{(x-1)^3}{\sqrt{x}}\,dx$. **8.** $\int \frac{(\sqrt{x}+2)^3}{x}\,dx$.

**9.** $\int (\cos x + 2\sqrt[5]{x^3})\,dx$. 10.$\int (\sqrt{x}+1)(x-\sqrt{x}+1)\,dx$

11.  12. 

13.  14.

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