Integrate by Dividing Each Term

Directions: Integrate.

1. $\int \frac{3x^2-5x+1}{x}dx$
2. $\int \frac{x^4-5x^3+2x+1}{x^3}dx$
3. $\int \frac{x^3-4x^2-3x}{x^5}dx$
4. $\int \frac{x^3+2x^2-x-1}{2x^2}dx$
5. $\int \frac{5x^5-4x^4+3x^3}{\sqrt{x}}dx$
6. $\int \frac{2\sqrt{x}-x^5+x^{\frac{3}{2}}}{\sqrt{x}}dx$
7. $\int \frac{2x^4-3x^3+5x^2-3x+1}{\sqrt[3]{x}}dx$
8. $\int \frac{3x^3-x^{\frac{2}{3}}+x^{\frac{1}{4}}}{x^2}dx$
9. $\int \frac{x^2-\sqrt[3]{x^5}+4x^8}{7\sqrt[3]{x^2}}dx$
10. $\int \frac{6x^{\frac{2}{3}}-4\sqrt{x}+5x^3-2\sqrt[3]{x^4}}{2\sqrt[3]{x}}dx$