

Integrating by Dividing by a Binomial

Directions: Integrate.

1. $\int \frac{x^2-5x+7}{x-2} dx$

2. $\int \frac{x^3-5x+2}{x-1} dx$

3. $\int \frac{2x^3+4x^2-2x-1}{x+2} dx$

4. $\int \frac{x^4+x^2+x}{x^2+4x} dx$

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

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

7. $\int \frac{x^3-5x-2}{x+4} dx$

8. $\int \frac{2x^2+6x-3}{2x+2} dx$

9. $\int \frac{x^4-x^2+5x-1}{x+2} dx$

10. $\int \frac{3x^5-7x^4+2x^3+x^2-5x-1}{x+2} dx$