

Here are a few partial fraction problems to solve. Also, the problems below all look similar, but they are all different. Be careful!

1.

$$\int_{10}^{20} \frac{1}{x^2 + 6x + 8} \, dx$$

2.

$$\int_{10}^{20} \frac{1}{x^2 - 6x + 8} \, dx$$

3.

$$\int \frac{1}{x^2 + 6x + 8} \, dx$$

4.

$$\int \frac{1}{x^3 + 6x^2 + 8x} \, dx$$