Quick Review:
This recitation is about the method of partial fractions.
Practice problems:

1.
$$\int \frac{14x - 7}{2x^2 - 2x - 12} \, dx$$

2.
$$\int \frac{x^2 + 2x}{(x + 1)^2} \, dx$$

3. (long division)
$$\frac{x^3 - 4x^2 + 2x - 3}{x + 2}$$

4.

$$\int \frac{6x^2 - 9x + 9}{x^3 - 3x^2}\,dx$$

5.

$$\int \frac{4x^2 + 2x + 4}{x^3 + 4x}\,dx$$

6.

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