

YMR0010 IV harjutustund

1. Lahendage

$$\frac{y}{x}dx + (y^3 + \ln x)dy = 0$$

2. Lahendage

$$(x - 2)dy + (y + 10)dx = 0$$

3. Lahendage

$$(x + \cos y + x \ln y)dy + y \ln y dx = 0$$

4. Lahendage

$$(x + y^2)dx - 2xydy = 0$$

5. Lahendage

$$dx + (1 + ye^{-x})dy = 0$$

Kodused ülesanded

1. Lahendage

$$\frac{2x}{y^3}dx + \left(\frac{1}{y^2} - \frac{3x^2}{y^4}\right)dy = 0$$

2. Lahendage

$$\left(1 + e^{\frac{x}{y}}\right)dx + e^{\frac{x}{y}}\left(1 - \frac{x}{y}\right)dy = 0$$