

## Esercitazione 3

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- **Esercizio.** Tracciare il grafico delle seguenti funzioni:

$$\left| \frac{x-2}{x-1} \right| \quad (1)$$

$$\frac{2x^2}{\sqrt{x^2-x-2}} \quad (2)$$

$$\frac{x^2-6x+9}{x^3-5x^2+8x-4} \quad (3)$$

$$\ln(x^2+3/2x) \quad (4)$$

$$\frac{\ln|x-3|}{x} \quad (5)$$

$$\frac{e^{-1/x}}{x(x+1)} \quad (6)$$

$$\ln\left(\frac{x^2-6x+5}{|x-1|}\right) \quad (7)$$

$$\frac{e^x-1}{x-1} \quad (8)$$

$$\frac{|2x-1|(x+1)}{x^2-x-6} \quad (9)$$

$$\sqrt{\frac{x^2-x-2}{x-3}} \quad (10)$$

$$\frac{\sqrt[3]{x^2-4x-3}}{\sqrt{x+1}} \quad (11)$$

$$(x-1)^3 e^{-x} \quad (12)$$

$$x e^{\frac{x^2+1}{x^2-1}} \quad (13)$$

$$\frac{x^4-5x^2+4}{2|2x^3-3x^2-9x+10|} \quad (14)$$