

**Predmet:** Mataliza 1  
**Ukol:** 6.  
**Verze:** 1.  
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**Prezdivka:** DN

## Spolecne zadani

Urcete definicni obory funkci a spoctete jejich derivace

**zadani**

$$\sqrt{\frac{x-1}{x^2+1}}$$

**reseni**

**zadani**

$$\ln(\sin(e^x))$$

**reseni**

**zadani**

$$x \cos x + \sin(2x^2)$$

**reseni**

**zadani**

$$2^x + 3^x$$

**reseni**

**zadani**

$$e^{-x^2}$$

**reseni**

**zadani**

$$\arctan\left(\frac{1}{x}\right)$$

**reseni**