

Да се намерят производните:

$$18. y = \sin x - x \cos x$$

$$19. y = x - \sin x \cos x$$

$$20. y = \operatorname{tg} x - x$$

$$21. y = \frac{1+x^2}{x} - x$$

$$22. y = \frac{x}{\sqrt{1-x^2}}$$

$$23. y = \operatorname{arctg} x + \frac{x}{1+x^2}$$

$$24. y = \sqrt{4x-x^2} + 4 \arcsin \frac{\sqrt{x}}{2}$$

$$25. y = x^2 \sin x^2 + \cos x^2$$

$$26. y = x^2 \left(\ln x - \frac{1}{2} \right)$$

$$27. y = \ln \sqrt{\frac{1+x}{1-x}}$$