

Partial derivatives

Interactive quizzes

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Look at three or four or twenty my quizzes and
then fill in my
please!

Partial...

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1. Partial derivatives

Some instructions (how to write mathematical functions ...) are on the main page with quizzes. An example is on the next page and quizzes follow.

9. $\frac{\partial}{\partial x} \left(\frac{1}{x} \right) =$ Ans
10. $\frac{\partial}{\partial x} \left(\frac{x}{1+y} \right) =$ Ans
11. $\frac{\partial}{\partial x} (x + y \ln(x + y)) =$ Ans
12. $\frac{\partial}{\partial y} (x + y \ln(x + y)) =$ Ans
- Správně ale až na čtvrtý pokus
 The 4-th answer is correct
13. $\frac{\partial}{\partial y} \left(\frac{xy}{x^2+1} \right) =$ Ans
14. $\frac{\partial}{\partial x} \left(\frac{x+y}{x-y} \right) =$ Ans
15. $\frac{\partial}{\partial y} \left(\frac{x+y}{x-y} \right) =$ Ans

16. $\frac{\partial}{\partial y} \left(\frac{x+y}{x-y} \right) =$ Ans
17. Dvakrát špatně pak jsme zobrazili správný výsledek kliknutím na tlačítko Ans
18. Two wrong answers. The correct answer has been obtained by clicking the Ans button.



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Quiz Find derivatives, simplify and write your result. Then press Enter.

The **button** discloses the correct solution. But try to find your answer at least seven times.

1. $\frac{\partial}{\partial x} (x^2y + 3) =$

2. $\frac{\partial}{\partial y} (x^2y + 3) =$

3. $\frac{\partial}{\partial x} (xy + 3 \ln y) =$

4. $\frac{\partial}{\partial y} (xy + 3 \ln y) =$

5. $\frac{\partial}{\partial x} (e^{x^2+y^2}) =$

6. $\frac{\partial}{\partial y} (e^{x^2+y^2}) =$

7. $\frac{\partial}{\partial x} (xe^{x^2+y^2}) =$

8. $\frac{\partial}{\partial x} (ye^{x^2+y^2}) =$

9. $\frac{\partial}{\partial x} \left(\frac{x}{x^2 + y^2 + 1} \right) =$

10. $\frac{\partial}{\partial y} \left(\frac{x}{x^2 + y^2 + 1} \right) =$

11. $\frac{\partial}{\partial x} (x + y \ln(x + y)) =$

12. $\frac{\partial}{\partial y} (x + y \ln(x + y)) =$

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13. $\frac{\partial}{\partial x} \left(\frac{xy}{x^2 + 1} \right) =$

14. $\frac{\partial}{\partial y} \left(\frac{xy}{x^2 + 1} \right) =$

15. $\frac{\partial}{\partial x} \left(\frac{x+y}{x^2 + 1} \right) =$

16. $\frac{\partial}{\partial y} \left(\frac{x+y}{x^2 + 1} \right) =$

17. $\frac{\partial}{\partial x} \left(\frac{x+y}{x-y} \right) =$

18. $\frac{\partial}{\partial y} \left(\frac{x+y}{x-y} \right) =$

19. $\frac{\partial}{\partial x} \left(x^2 + y^2 + \frac{2}{xy} \right) =$

20. $\frac{\partial}{\partial y} \left(x^2 + y^2 + \frac{2}{xy} \right) =$

21. $\frac{\partial}{\partial x} \left((x+1) \ln(x+y+1) \right) =$

22. $\frac{\partial}{\partial y} \left((x+1) \ln(x+y+1) \right) =$

23. $\frac{\partial}{\partial x} \left((x+1) \ln(x^2 + y^3 + 1) \right) =$

24. $\frac{\partial}{\partial y} \left((x+1) \ln(x^2 + y^3 + 1) \right) =$

25. $\frac{\partial}{\partial x} \left(x \operatorname{atan} \frac{x}{y^2} \right) =$

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