

Answer on Question #69740 - Math – Calculus

$x - y + 2 = 0$ is a tangent to the curve $3^2(x + y) = (x - y + 2)$ at $(-1, 1)$. true or false, give reason also?

Solution. We have $y_1 = x + 2$.

If the task is “curve #3 is $2(x + y) = 0$ ”, then no, because we have different derivatives,

else if the task is “curve #3 is $2(x + y) = (x - y + 2)$ ”, then no, because we have different derivatives,

else if “curve $3^2(x + y) = 0$ ”, then no, because we have different derivatives,

else if “curve $3^2(x + y) = (x - y + 2)$ ”, then no, because we have different derivatives.

Answer. False, they have different derivatives.

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