
Find $y = mx + c$ at the given x .

Problem	Answer	Problem	Answer
1. $y = x^2$ at $x = 3$		4. $y = \ln x$ at $x = 1$	
2. $y = x^3 - x$ at $x = 1$		5. $y = \sin x$ at $x = 0$	
3. $y = e^x$ at $x = 0$			

Answer key — Find the tangent line

#	Problem	Answer
1	$y = x^2$ at $x = 3$	$y = 6x - 9$
2	$y = x^3 - x$ at $x = 1$	$y = 2x - 2$
3	$y = e^x$ at $x = 0$	$y = x + 1$
4	$y = \ln x$ at $x = 1$	$y = x - 1$
5	$y = \sin x$ at $x = 0$	$y = x$

Notes