

Solve:

1) Find the slope of the tangent line to $y(x) = 3x^2 - 2x - 2$ at the point $(-4, 54)$.

2) Find the slope of the tangent line to $a(x) = \sqrt{x + 4}$ at the point $(5, 3)$.

3) Find the slope of the tangent line to $g(x) = 3x^3 - 4x^2$ at the point $(-1, -7)$.

4) Find the slope of the tangent line to $n(x) = x^2 - 3x - 2$ at the point $(-2, 8)$.

5) Find the slope of the tangent line to $m(x) = -x^3 - 4x^2 - x - 3$ at the point $(2, -29)$.

6) Find the slope of the tangent line to $n(x) = x + 4$ at the point $(-3, 1)$.

7) Find the slope of the tangent line to $b(x) = x^3 - x^2 + 2x - 4$ at the point $(0, -4)$.

8) Find the slope of the tangent line to $m(x) = \frac{4x - 3}{2x + 1}$ at the point $(2, 1)$.

9) Find the slope of the tangent line to $v(x) = -4x^3 + x^2 + 2x + 3$ at the point $(3, -90)$.

10) Find the slope of the tangent line to $a(x) = \sqrt{x}$ at the point $(2, \sqrt{2})$.