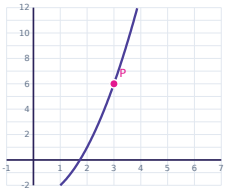
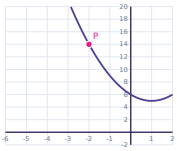
Slope & Equation of a Tangent Line · 1

Find the slope of the tangent line to f(x) = x² - 3 at x = 3.



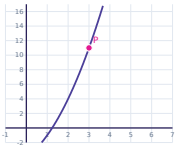
Slope & Equation of a Tangent Line · 2

Find the slope of the tangent line to f(x) = x² - 2x + 6 at x = -2.



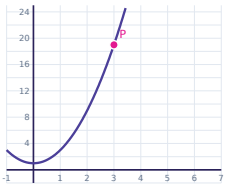
Slope & Equation of a Tangent Line · 3

Find the equation of the tangent line to f(x) = x² + 2x - 4 at the point P(3, 11).



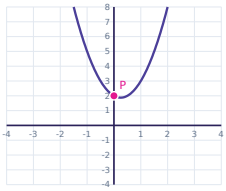
Slope & Equation of a Tangent Line · 4

Find the slope of the tangent line to f(x) = 2x² + 1 at x = 3.



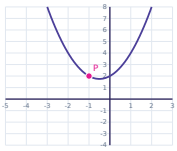
Slope & Equation of a Tangent Line · 5

Find the slope of the tangent line to f(x) = 2x² - x + 2 at x = 0.



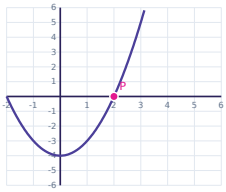
Slope & Equation of a Tangent Line · 6

Find the equation of the tangent line to f(x) = x² + x + 2 at the point P(-1, 2).



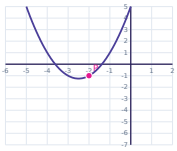
Slope & Equation of a Tangent Line · 7

Find the slope of the tangent line to f(x) = x² - 4 at x = 2.



Slope & Equation of a Tangent Line · 8

Find the slope of the tangent line to f(x) = x² + 5x + 5 at x = -2.



Slope & Equation of a Tangent Line · 2

ANSWER

-6

Slope & Equation of a Tangent Line · 1

ANSWER

6

Slope & Equation of a Tangent Line · 4

ANSWER

12

Slope & Equation of a Tangent Line · 3

ANSWER

y = 8x - 13

Slope & Equation of a Tangent Line · 6

ANSWER

y = -x + 1

Slope & Equation of a Tangent Line · 5

ANSWER

-1

Slope & Equation of a Tangent Line · 8

ANSWER

1

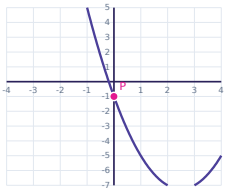
Slope & Equation of a Tangent Line · 7

ANSWER

4

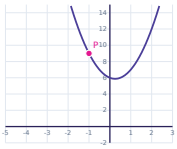
Slope & Equation of a Tangent Line · 9

Find the slope of the tangent line to f(x) = x^2 - 5x - 1 at x = 0.



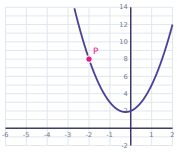
Slope & Equation of a Tangent Line · 10

Find the slope of the tangent line to f(x) = $2x^2$ - x + 6 at x = -1.



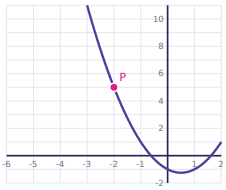
Slope & Equation of a Tangent Line · 11

Find the equation of the tangent line to f(x) = $2x^2$ + x + 2 at the point P(-2, 8).



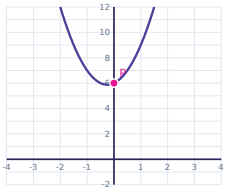
Slope & Equation of a Tangent Line · 12

Find the slope of the tangent line to f(x) = x^2 - x - 1 at x = -2.



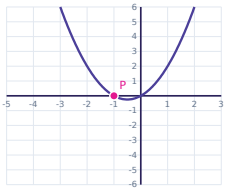
Slope & Equation of a Tangent Line · 13

Find the slope of the tangent line to f(x) = $2x^2$ + x + 6 at x = 0.



Slope & Equation of a Tangent Line · 14

Find the slope of the tangent line to f(x) = x^2 + x at x = -1.



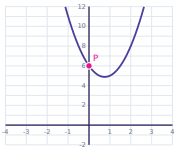
Slope & Equation of a Tangent Line · 15

Find the slope of the tangent line to f(x) = $2x^2$ - x + 1 at x = 2.



Slope & Equation of a Tangent Line · 16

Find the equation of the tangent line to f(x) = $2x^2$ - 3x + 6 at the point P(0, 6).



Slope & Equation of a Tangent Line · 10

ANSWER

-5

Slope & Equation of a Tangent Line · 9

ANSWER

-5

Slope & Equation of a Tangent Line · 12

ANSWER

-5

Slope & Equation of a Tangent Line · 11

ANSWER

y = -7x - 6

Slope & Equation of a Tangent Line · 14

ANSWER

-1

Slope & Equation of a Tangent Line · 13

ANSWER

1

Slope & Equation of a Tangent Line · 16

ANSWER

y = -3x + 6

Slope & Equation of a Tangent Line · 15

ANSWER

7

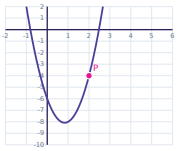
Slope & Equation of a Tangent Line · 17

Find the slope of the tangent line to f(x) = $3x^2 - 3x - 1$ at x = 2.



Slope & Equation of a Tangent Line · 18

Find the equation of the tangent line to f(x) = $3x^2 - 5x - 6$ at the point P(2, -4).

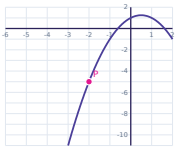


Slope & Equation of a Tangent Line · 19

At what x-value is the tangent line to f(x) = $x^2 + 8x - 7$ horizontal?

Slope & Equation of a Tangent Line · 20

Find the equation of the tangent line to f(x) = $-x^2 + x + 1$ at the point P(-2, -5).

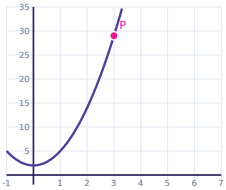


Slope & Equation of a Tangent Line · 21

At what x-value is the tangent line to f(x) = $2x^2 - 8x + 4$ horizontal?

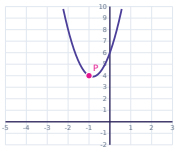
Slope & Equation of a Tangent Line · 22

Find the slope of the tangent line to f(x) = $3x^2 + 2$ at x = 3.



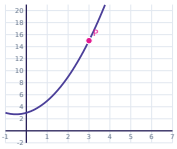
Slope & Equation of a Tangent Line · 23

Find the slope of the tangent line to f(x) = $3x^2 + 5x + 6$ at x = -1.



Slope & Equation of a Tangent Line · 24

Find the equation of the tangent line to f(x) = $x^2 + x + 3$ at the point P(3, 15).



Slope & Equation of a Tangent Line · 18

ANSWER

$y = 7x - 18$

Slope & Equation of a Tangent Line · 17

ANSWER

9

Slope & Equation of a Tangent Line · 20

ANSWER

$y = 5x + 5$

Slope & Equation of a Tangent Line · 19

ANSWER

$x = -4$

Slope & Equation of a Tangent Line · 22

ANSWER

18

Slope & Equation of a Tangent Line · 21

ANSWER

$x = 2$

Slope & Equation of a Tangent Line · 24

ANSWER

$y = 7x - 6$

Slope & Equation of a Tangent Line · 23

ANSWER

-1