Find f'(x) for f(x) = 4ln(x).

Find f'(x) for f(x) = 8cos(x).

Find f'(x) for f(x) = 7ln(x).

Find f'(x) for f(x) = 9cos(x).

$f(x) = -3\sin(x) - e^x$. Find f'(0).

Find f'(x) for f(x) = $5e^x$.

$f(x) = -2\sin(x) - 5e^x$. Find f'(0).

Find f'(x) for f(x) = e^x.

Derivatives of Trig, Exponential & Log Functions · 2

ANSWER

$$-8\sin(x)$$

Derivatives of Trig, Exponential & Log Functions · 1

ANSWER

$$\frac{4}{x}$$

Derivatives of Trig, Exponential & Log Functions · 4

ANSWER

$$-9\sin(x)$$

Derivatives of Trig, Exponential & Log Functions · 3

ANSWER

$$\frac{7}{x}$$

Derivatives of Trig, Exponential & Log Functions · 6

ANSWER

$$5e^x$$

Derivatives of Trig, Exponential & Log Functions · 5

ANSWER

$$-4$$

Derivatives of Trig, Exponential & Log Functions · 8

ANSWER

$$e^x$$

Derivatives of Trig, Exponential & Log Functions · 7

ANSWER

$$-7$$

Find f'(x) for f(x) = 8ln(x).

Find f'(x) for f(x) = e^{-3x}.

Find f'(x) for f(x) = $-e^{x}$.

f(x) = 2sin(x) + 2e^{x}. Find f'(0).

Find f'(x) for f(x) = 6cos(2x).

f(x) = -4sin(x) - 4e^{x}. Find f'(0).

Find f'(x) for f(x) = 9ln(x).

Find f'(x) for f(x) = $6e^{4x}$.

Derivatives of Trig, Exponential & Log Functions · 10

ANSWER

$$-3e^{-3x}$$

Derivatives of Trig, Exponential & Log Functions · 9

ANSWER

$$\frac{8}{x}$$

Derivatives of Trig, Exponential & Log Functions · 12

ANSWER

$$4$$

Derivatives of Trig, Exponential & Log Functions · 11

ANSWER

$$-e^{x}$$

Derivatives of Trig, Exponential & Log Functions · 14

ANSWER

$$-8$$

Derivatives of Trig, Exponential & Log Functions · 13

ANSWER

$$-12\sin(2x)$$

Derivatives of Trig, Exponential & Log Functions · 16

ANSWER

$$24e^{4x}$$

Derivatives of Trig, Exponential & Log Functions · 15

ANSWER

$$\frac{9}{x}$$

Find f'(x) for f(x) = -cos(6x).

Find f'(x) for f(x) = 6sin(6x).

Find f'(x) for f(x) = -4tan(x).

$f(x) = -\sin(x) + e^{-3x}$. Find f'(0).

$f(x) = -6\cos(3x)$. Find $f'(\pi/2)$.

Find f'(x) for f(x) = 2cos(6x).

Find f'(x) for f(x) = -4cos(4x).

$f(x) = 3\sin(4x) + e^{-2x}$. Find f'(0).

Derivatives of Trig, Exponential & Log Functions · 18

ANSWER

$36\cos(6x)$

Derivatives of Trig, Exponential & Log Functions · 17

ANSWER

$6\sin(6x)$

Derivatives of Trig, Exponential & Log Functions · 20

ANSWER

-4

Derivatives of Trig, Exponential & Log Functions · 19

ANSWER

$-4\sec^2(x)$

Derivatives of Trig, Exponential & Log Functions · 22

ANSWER

$-12\sin(6x)$

Derivatives of Trig, Exponential & Log Functions · 21

ANSWER

-18

Derivatives of Trig, Exponential & Log Functions · 24

ANSWER

10

Derivatives of Trig, Exponential & Log Functions · 23

ANSWER

$16\sin(4x)$