Find f'(x) for f(x) = -4ln(2x).

f(x) = -tan(x) + x. Find f'(π/6).

f(x) = -2ln(5x) + 3x. Find f'(4).

f(x) = $-2e^{3x}$. Find f'(ln(2)).

f(x) = x^2ln(x). Find f'(e).

f(x) = -3sin(3x) - $3e^{2x}$ + 5cos(4x). Find f'(0).

f(x) = $3e^{2x}$cos(2x). Find f'(0).

f(x) = $-3e^{3x}$. Find f'(ln(2)).

Derivatives of Trig, Exponential & Log Functions · 2

ANSWER

$$\frac{1}{-3}$$

Derivatives of Trig, Exponential & Log Functions · 1

ANSWER

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

Derivatives of Trig, Exponential & Log Functions · 4

ANSWER

$$-48$$

Derivatives of Trig, Exponential & Log Functions · 3

ANSWER

$$\frac{5}{2}$$

Derivatives of Trig, Exponential & Log Functions · 6

ANSWER

$$-15$$

Derivatives of Trig, Exponential & Log Functions · 5

ANSWER

$$3e$$

Derivatives of Trig, Exponential & Log Functions · 8

ANSWER

$$-72$$

Derivatives of Trig, Exponential & Log Functions · 7

ANSWER

$$6$$

Derivatives of Trig, Exponential & Log Functions · 9

Find f'(x) for f(x) = 2ln(3x).

Derivatives of Trig, Exponential & Log Functions · 10

f(x) = 4tan(x) + 4x. Find f'(π/3).

Derivatives of Trig, Exponential & Log Functions · 11

f(x) = 7ln(2x) - 3x. Find f'(4).

Derivatives of Trig, Exponential & Log Functions · 12

f(x) = e^x. Find f'(ln(3)).

Derivatives of Trig, Exponential & Log Functions · 13

f(x) = xln(x). Find f'(e).

Derivatives of Trig, Exponential & Log Functions · 14

f(x) = 4sin(3x) + 2e^x + 5cos(2x). Find f'(0).

Derivatives of Trig, Exponential & Log Functions · 15

f(x) = -tan(x) + 3x. Find f'(π/6).

Derivatives of Trig, Exponential & Log Functions · 16

Find f'(x) for f(x) = 3ln(5x).

Derivatives of Trig, Exponential & Log Functions · 10

ANSWER

$$20$$

Derivatives of Trig, Exponential & Log Functions · 9

ANSWER

$$\frac{2}{x}$$

Derivatives of Trig, Exponential & Log Functions · 12

ANSWER

$$3$$

Derivatives of Trig, Exponential & Log Functions · 11

ANSWER

$$\frac{5}{-4}$$

Derivatives of Trig, Exponential & Log Functions · 14

ANSWER

$$14$$

Derivatives of Trig, Exponential & Log Functions · 13

ANSWER

$$2$$

Derivatives of Trig, Exponential & Log Functions · 16

ANSWER

$$\frac{3}{x}$$

Derivatives of Trig, Exponential & Log Functions · 15

ANSWER

$$\frac{5}{3}$$

Derivatives of Trig, Exponential & Log Functions · 17

$f(x) = 6\tan(x) + 3x$. Find $f'(\pi/6)$.

Derivatives of Trig, Exponential & Log Functions · 18

$f(x) = -7\ln(x) - 4x^2$. Find $f'(1)$.

Derivatives of Trig, Exponential & Log Functions · 19

$f(x) = 3e^{3x}$. Find $f'(\ln(2))$.

Derivatives of Trig, Exponential & Log Functions · 20

$f(x) = xe^{2x}$. Find $f'(1)$.

Derivatives of Trig, Exponential & Log Functions · 21

$f(x) = 2\sin(2x) - 5e^{2x} - 3\cos(3x)$. Find $f'(0)$.

Derivatives of Trig, Exponential & Log Functions · 22

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

Derivatives of Trig, Exponential & Log Functions · 23

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

Derivatives of Trig, Exponential & Log Functions · 24

Find $f'(x)$ for $f(x) = 6\ln(3x)$.

Derivatives of Trig, Exponential & Log Functions · 18

ANSWER

-15

Derivatives of Trig, Exponential & Log Functions · 17

ANSWER

11

Derivatives of Trig, Exponential & Log Functions · 20

ANSWER

$3e^2$

Derivatives of Trig, Exponential & Log Functions · 19

ANSWER

72

Derivatives of Trig, Exponential & Log Functions · 22

ANSWER

-3

Derivatives of Trig, Exponential & Log Functions · 21

ANSWER

-6

Derivatives of Trig, Exponential & Log Functions · 24

ANSWER

$$\frac{6}{x}$$

Derivatives of Trig, Exponential & Log Functions · 23

ANSWER

-8