$f(x) = \frac{-x^2 - x}{-x - 1}$. Use the quotient rule to find f'(2).

$f(x) = \sqrt{(2x^2 + 4x - 2)}$. Use the chain rule to find f'(-3).

$f(x) = e^{-x}$. Use the chain rule to find f'(0).

$f(x) = x^3(x + 1)^3$. Find f'(2).

$f(x) = \frac{-x^2 + 2x + 6}{x - 1}$. Use the quotient rule to find f'(3).

$f(x) = x^3(x - 5)^2$. Find f'(2).

$f(x) = \frac{3x + 2}{2x - 3}$. Use the quotient rule to find f'(-3).

$f(x) = \frac{3x^2 + 3x - 2}{-2x - 1}$. Use the quotient rule to find f'(-1).

Product, Quotient & Chain Rules · 2

ANSWER

-2

Product, Quotient & Chain Rules · 1

ANSWER

1

Product, Quotient & Chain Rules · 4

ANSWER

540

Product, Quotient & Chain Rules · 3

ANSWER

-1

Product, Quotient & Chain Rules · 6

ANSWER

60

Product, Quotient & Chain Rules · 5

ANSWER

$$\frac{11}{-4}$$

Product, Quotient & Chain Rules · 8

ANSWER

-7

Product, Quotient & Chain Rules · 7

ANSWER

$$\frac{13}{-81}$$

$f(x) = \frac{x - 1}{-x + 6}$. Use the quotient rule to find f'(-1).

$f(x) = \sqrt{(x^2 - 2x + 6)}$. Use the chain rule to find f'(3).

$f(x) = e^{x^2+x-2}$. Use the chain rule to find f'(-2).

$f(x) = x^2(3x - 3)^2$. Find f'(2).

$f(x) = \frac{2x}{-2x + 4}$. Use the quotient rule to find f'(3).

$f(x) = x^2(x - 3)^3$. Find f'(1).

$f(x) = \sqrt{(x^2 + 4x + 1)}$. Use the chain rule to find f'(0).

$f(x) = \frac{2x + 3}{-2x - 3}$. Use the quotient rule to find f'(-3).

Product, Quotient & Chain Rules · 10

ANSWER

$$\frac{2}{3}$$

Product, Quotient & Chain Rules · 9

ANSWER

$$\frac{5}{49}$$

Product, Quotient & Chain Rules · 12

ANSWER

108

Product, Quotient & Chain Rules · 11

ANSWER

-3

Product, Quotient & Chain Rules · 14

ANSWER

-4

Product, Quotient & Chain Rules · 13

ANSWER

2

Product, Quotient & Chain Rules · 16

ANSWER

0

Product, Quotient & Chain Rules · 15

ANSWER

2

$f(x) = \frac{-x^2 + 4x}{3x - 2}$. Use the quotient rule to find f'(2).

$f(x) = \sqrt{(2x^2 + x + 3)}$. Use the chain rule to find f'(-1).

$f(x) = e^{x+1}$. Use the chain rule to find f'(-1).

$f(x) = x^2(x - 2)^2$. Find f'(-1).

$f(x) = \frac{x + 1}{-2x - 2}$. Use the quotient rule to find f'(-3).

$f(x) = x^2(2x - 6)^2$. Find f'(-2).

$f(x) = \sqrt{(2x^2 + 2)}$. Use the chain rule to find f'(1).

$f(x) = \frac{-2x + 2}{x + 5}$. Use the quotient rule to find f'(0).

Product, Quotient & Chain Rules · 18

ANSWER

$$-\frac{3}{4}$$

Product, Quotient & Chain Rules · 17

ANSWER

$$-\frac{3}{4}$$

Product, Quotient & Chain Rules · 20

ANSWER

$$-24$$

Product, Quotient & Chain Rules · 19

ANSWER

$$1$$

Product, Quotient & Chain Rules · 22

ANSWER

$$-560$$

Product, Quotient & Chain Rules · 21

ANSWER

$$0$$

Product, Quotient & Chain Rules · 24

ANSWER

$$-\frac{12}{25}$$

Product, Quotient & Chain Rules · 23

ANSWER

$$1$$