L'Hôpital's Rule for Limits · 1

Find the limit: $\lim_{x \to 1} \frac{x^2 - 3x + 2}{x - 1}$

L'Hôpital's Rule for Limits · 2

Find the limit: $\lim_{x \to 0} \frac{e^{6x} - 1}{x}$

L'Hôpital's Rule for Limits · 3

Find the limit: $\lim_{x \to 0} \frac{\sin 7x}{x}$

L'Hôpital's Rule for Limits · 4

Find the limit: $\lim_{x \to 2} \frac{x^2 + 3x - 10}{x - 2}$

L'Hôpital's Rule for Limits · 5

Find the limit: $\lim_{x \to 0} \frac{e^{2x} - 1}{x}$

L'Hôpital's Rule for Limits · 6

Find the limit: $\lim_{x \to 0} \frac{\sin 6x}{x}$

L'Hôpital's Rule for Limits · 7

Find the limit: $\lim_{x \to 0} \frac{e^{4x} - 1}{x}$

L'Hôpital's Rule for Limits · 8

Find the limit: $\lim_{x \to 3} \frac{x^2 - 8x + 15}{x - 3}$

L'Hôpital's Rule for Limits · 2

ANSWER

6

L'Hôpital's Rule for Limits · 1

ANSWER

-1

L'Hôpital's Rule for Limits · 4

ANSWER

7

L'Hôpital's Rule for Limits · 3

ANSWER

7

L'Hôpital's Rule for Limits · 6

ANSWER

6

L'Hôpital's Rule for Limits · 5

ANSWER

2

L'Hôpital's Rule for Limits · 8

ANSWER

-2

L'Hôpital's Rule for Limits · 7

ANSWER

4

L'Hôpital's Rule for Limits · 9

Find the limit: $\lim_{x \to 3} \frac{x^2 - 7x + 12}{x - 3}$

L'Hôpital's Rule for Limits · 10

Find the limit: $\lim_{x \to 0} \frac{e^{3x} - 1}{x}$

L'Hôpital's Rule for Limits · 11

Find the limit: $\lim_{x \to 2} \frac{x^2 - 7x + 10}{x - 2}$

L'Hôpital's Rule for Limits · 12

Find the limit: $\lim_{x \to 0} \frac{\sin 2x}{x}$

L'Hôpital's Rule for Limits · 13

Find the limit: $\lim_{x \to 0} \frac{\sin 4x}{x}$

L'Hôpital's Rule for Limits · 14

Find the limit: $\lim_{x \to -1} \frac{x^2 - 1}{x^2 - 2x - 3}$

L'Hôpital's Rule for Limits · 15

Find the limit: $\lim_{x \to 0} \frac{e^{4x} - 1}{5x}$

L'Hôpital's Rule for Limits · 16

Find the limit: $\lim_{x \to 1} \frac{\ln x}{x^3 - 1}$

L'Hôpital's Rule for Limits · 10

ANSWER

$$3$$

L'Hôpital's Rule for Limits · 9

ANSWER

$$-1$$

L'Hôpital's Rule for Limits · 12

ANSWER

$$2$$

L'Hôpital's Rule for Limits · 11

ANSWER

$$-3$$

L'Hôpital's Rule for Limits · 14

ANSWER

$$\frac{1}{2}$$

L'Hôpital's Rule for Limits · 13

ANSWER

$$4$$

L'Hôpital's Rule for Limits · 16

ANSWER

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

L'Hôpital's Rule for Limits · 15

ANSWER

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

L'Hôpital's Rule for Limits · 17

Find the limit: $\lim_{x \to \infty}$ of $\frac{x^2 - 3x + 6}{3x^2 - 6x - 3}$

L'Hôpital's Rule for Limits · 18

Find the limit: $\lim_{x \to -2}$ of $\frac{x^2 - 4}{2x^2 - x - 10}$

L'Hôpital's Rule for Limits · 19

Find the limit: $\lim_{x \to 0}$ of $\frac{\sin 5x}{x}$

L'Hôpital's Rule for Limits · 20

Find the limit: $\lim_{x \to 0}$ of $\frac{e^{5x} - 1}{3x}$

L'Hôpital's Rule for Limits · 21

Find the limit: $\lim_{x \to 4}$ of $\frac{x^2 - 5x + 4}{x - 4}$

L'Hôpital's Rule for Limits · 22

Find the limit: $\lim_{x \to 0}$ of $\frac{e^{5x} - 1}{x}$

L'Hôpital's Rule for Limits · 23

Find the limit: $\lim_{x \to 2}$ of $\frac{x^2 + 2x - 8}{x - 2}$

L'Hôpital's Rule for Limits · 24

Find the limit: $\lim_{x \to 3}$ of $\frac{x^2 - 9x + 18}{x - 3}$

L'Hôpital's Rule for Limits · 18

ANSWER

$$\frac{4}{9}$$

L'Hôpital's Rule for Limits · 17

ANSWER

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

L'Hôpital's Rule for Limits · 20

ANSWER

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

L'Hôpital's Rule for Limits · 19

ANSWER

$$5$$

L'Hôpital's Rule for Limits · 22

ANSWER

$$5$$

L'Hôpital's Rule for Limits · 21

ANSWER

$$3$$

L'Hôpital's Rule for Limits · 24

ANSWER

$$-3$$

L'Hôpital's Rule for Limits · 23

ANSWER

$$6$$