Find the limit: $\lim_{x \to 7} \frac{x^2 - 49}{x - 7}$

Find the limit: $\lim_{x \to 5} \frac{x^2 + x - 30}{x - 5}$

Find the limit: $\lim_{x \to -4} \frac{x^2 - 16}{x + 4}$

Find the limit: $\lim_{x \to \infty} \frac{9x - 9}{-5x + 1}$

Find the limit: $\lim_{x \to \infty} \frac{6x^2 - 8x + 9}{6x^2 + 5}$

Find the limit: $\lim_{x \to \infty}$ of $\frac{-6x^2 - 3x + 4}{-4x^2 - 4}$

Find the limit: $\lim_{x \to -1} \frac{x^2 - 3x - 4}{x + 1}$

Find the limit: $\lim_{x \to -5} \frac{x^2 - 25}{x + 5}$

Limits: Factoring & Limits at Infinity · 2

ANSWER

11

Limits: Factoring & Limits at Infinity · 1

ANSWER

14

Limits: Factoring & Limits at Infinity · 4

ANSWER

$$\frac{9}{-5}$$

Limits: Factoring & Limits at Infinity · 3

ANSWER

-8

Limits: Factoring & Limits at Infinity · 6

ANSWER

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

Limits: Factoring & Limits at Infinity · 5

ANSWER

1

Limits: Factoring & Limits at Infinity · 8

ANSWER

-10

Limits: Factoring & Limits at Infinity · 7

ANSWER

-5

Find the limit: $\lim_{x \to 8}$ of $\frac{x^2 - 64}{x - 8}$

Find the limit: $\lim_{x \to 6}$ of $\frac{x^2 - 3x - 18}{x - 6}$

Find the limit: $\lim_{x \to -8}$ of $\frac{x^2 - 64}{x + 8}$

Find the limit: $\lim_{x \to \infty}$ of $\frac{-3x^2 - 8x + 2}{-x^2 + 9}$

Find the limit: $\lim_{x \to \infty}$ of $\frac{-2x^2 - 2x}{4x^2 + 6}$

Find the limit: $\lim_{x \to \infty}$ of $\frac{-6x + 3}{-6x - 7}$

Find the limit: $\lim_{x \to -7}$ of $\frac{x^2 + 9x + 14}{x + 7}$

Find the limit: $\lim_{x \to 1}$ of $\frac{x^2 + 3x - 4}{x - 1}$

Limits: Factoring & Limits at Infinity · 10

ANSWER

9

Limits: Factoring & Limits at Infinity · 9

ANSWER

16

Limits: Factoring & Limits at Infinity · 12

ANSWER

3

Limits: Factoring & Limits at Infinity · 11

ANSWER

-16

Limits: Factoring & Limits at Infinity · 14

ANSWER

1

Limits: Factoring & Limits at Infinity · 13

ANSWER

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

Limits: Factoring & Limits at Infinity · 16

ANSWER

5

Limits: Factoring & Limits at Infinity · 15

ANSWER

-5

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

Find the limit: $\lim_{x \to \infty}$ of $\frac{-9x^2 - 5x + 3}{-x^2 + 6}$

Find the limit: $\lim_{x \to \infty}$ of $\frac{-x + 1}{2x^2 + 6x + 9}$

Find the limit: $\lim_{x \to 5}$ of $\frac{2x^2 - 4x - 30}{x^2 - 8x + 15}$

Find the limit: $\lim_{x \to \infty}$ of $\frac{x - 6}{6x - 8}$

Find the limit: $\lim_{x \to 1}$ of $\frac{x^2 - 8x + 7}{x - 1}$

Find the limit: $\lim_{x \to 5}$ of $\frac{x^2 - 3x - 10}{x - 5}$

Find the limit: $\lim_{x \to \infty}$ of $\frac{7x - 3}{-x + 3}$

Limits: Factoring & Limits at Infinity · 18

ANSWER

9

Limits: Factoring & Limits at Infinity · 17

ANSWER

2

Limits: Factoring & Limits at Infinity · 20

ANSWER

8

Limits: Factoring & Limits at Infinity · 19

ANSWER

0

Limits: Factoring & Limits at Infinity · 22

ANSWER

-6

Limits: Factoring & Limits at Infinity · 21

ANSWER

$$\frac{1}{6}$$

Limits: Factoring & Limits at Infinity · 24

ANSWER

-7

Limits: Factoring & Limits at Infinity · 23

ANSWER

7