

Express $\frac{n+2}{m} - \frac{n-3}{mn}$ as a single fraction in its simplest form.

Ungkapkan $\frac{n+2}{m} - \frac{n-3}{mn}$ sebagai satu pecahan tunggal dalam bentuk termudah.

A $\frac{n^2-n-1}{mn}$

B $\frac{n^2+n-3}{mn}$

C $\frac{n^2-n+1}{mn}$

D $\frac{n^2+n+3}{mn}$

Given that $\frac{2t}{\sqrt{n}-1} = 3$, express n in terms of t .

Diberi bahawa $\frac{2t}{\sqrt{n}-1} = 3$, ungkapkan n dalam sebutan t .

A $36t^2 + 1$

B $(6t-1)^2$

C $\left(\frac{2t}{3}\right)^2 - 1$

D $\left(\frac{2t}{3} + 1\right)^2$

$$3x(x - 2y) - (3x - y)^2 =$$

- A** $-6xy + y^2$
- B** $-6x^2 - y^2$
- C** $-6x^2 - 6xy + y^2$
- D** $-3x^2 - 9xy - y^2$

Given that $\frac{\sqrt{y}}{3} = \frac{4x-1}{x}$, express x in terms of y .

Diberi bahawa $\frac{\sqrt{y}}{3} = \frac{4x-1}{x}$, ungkapkan x dalam sebutan y .

A $x = \frac{-1}{\sqrt{y}-4}$

B $x = \frac{-1}{3\sqrt{y}-4}$

C $x = \frac{-3}{\sqrt{y}-12}$

D $x = \frac{-3}{\sqrt{y}-12}$

Simplify $(3x - 1)^2 - (4x - 1)$.

Permudahkan $(3x - 1)^2 - (4x - 1)$.

A $9x^2 - 10x + 2$

B $9x^2 - 10x - 2$

C $9x^2 + 2x + 2$

D $9x^2 + 2x + 2$

Express $\frac{2ab-4b}{9-b^2} \div \frac{6ab}{3-b}$ as a single fraction in its simplest form.

Ungkapkan $\frac{2ab-4b}{9-b^2} \div \frac{6ab}{3-b}$ sebagai satu pecahan tunggal dalam bentuk yang termudah.

A $\frac{3a(3-b)}{a+2}$

B $\frac{3a(3+b)}{a+2}$

C $\frac{a+2}{3a(3-b)}$

D $\frac{a-2}{3a(3+b)}$

Given $2(x+3y^2) = 2-3y^2$ express y in terms of x .

Diberi $2(x+3y^2) = 2-3y^2$ ungkapkan y dalam sebutan x .

A $y = \frac{\sqrt{2-2x}}{3}$

B $y = \frac{\sqrt{2+2x}}{3}$

C $y = \frac{\sqrt{2x+2}}{9}$

D $y = \frac{\sqrt{2x-2}}{9}$

Simplify:

Permudahkan:

$$\left(\frac{49a^2}{b^8}\right)^{\frac{1}{2}} \div a^3b$$

A $\frac{7}{a^2b^5}$

B $\frac{7}{a^5b^7}$

C $\frac{7}{a^2b}$

D $\frac{7a}{b^8}$

- 18 Express $\frac{2x+6}{y-3} \div \frac{2(x+3)^2}{y^2-9}$ as a single fraction in its simplest form.

Ungkapkan $\frac{2x+6}{y-3} \div \frac{2(x+3)^2}{y^2-9}$ sebagai satu pecahan tunggal dalam bentuk termudah.

A $\frac{y+3}{x+3}$

B $\frac{x+3}{y+3}$

C $\frac{y-3}{x+3}$

D $\frac{y}{x}$

- 19 $(p+q)(p-q) - (p-q)^2 =$

A $2q + 2q^2$

B $2p - 2q^2$

C $2pq + 2q^2$

D $2pq - 2q^2$