

The Secret of Decomposing Complicated Rational Expression Into Partial Fractions (Pre ...

Lesson 249 | Precalculus | Partial fractions

<https://www.youtube.com/watch?v=AKM64TajIto>

Original practice aligned to the saved video title.

Name: _____ Date: _____ Show your reasoning.

01

Decompose $(11 \cdot x + 48)/((x+4)(x+6))$ into partial fractions.

02

Decompose $(18 \cdot x + 122)/((x+5)(x+9))$ into partial fractions.

03

Decompose $(13 \cdot x + 56)/((x+5)(x+2))$ into partial fractions.

The Secret of Decomposing Complicated Rational Expression Into Partial Fractions (Pre ...

Lesson 249 | Precalculus | Partial fractions

<https://www.youtube.com/watch?v=AKM64Tajlto>

Original practice aligned to the saved video title.

Name: _____ Date: _____ Show your reasoning.

04

Decompose $(14 \cdot x + 128)/((x+7)(x+13))$ into partial fractions.

05

Decompose $(9 \cdot x + 54)/((x+2)(x+8))$ into partial fractions.

06

Decompose $(16 \cdot x + 56)/((x+5)(x+3))$ into partial fractions.

The Secret of Decomposing Complicated Rational Expression Into Partial Fractions (Pre ...

Lesson 249 | Precalculus | Partial fractions

<https://www.youtube.com/watch?v=AKM64Tajlto>

Original practice aligned to the saved video title.

01 Decompose $(11 \cdot x + 48)/((x+4)(x+6))$ into partial fractions.

Write $A/(x+4)+B/(x+6)$, clear denominators, and compare coefficients. $A=2$, $B=9$; result $2/(x+4)+9/(x+6)$.

02 Decompose $(18 \cdot x + 122)/((x+5)(x+9))$ into partial fractions.

Write $A/(x+5)+B/(x+9)$, clear denominators, and compare coefficients. $A=8$, $B=10$; result $8/(x+5)+10/(x+9)$.

03 Decompose $(13 \cdot x + 56)/((x+5)(x+2))$ into partial fractions.

Write $A/(x+5)+B/(x+2)$, clear denominators, and compare coefficients. $A=3$, $B=10$; result $3/(x+5)+10/(x+2)$.

The Secret of Decomposing Complicated Rational Expression Into Partial Fractions (Pre ...

Lesson 249 | Precalculus | Partial fractions

<https://www.youtube.com/watch?v=AKM64TajIto>

Original practice aligned to the saved video title.

04

Decompose $(14 \cdot x + 128)/((x+7)(x+13))$ into partial fractions.

Write $A/(x+7)+B/(x+13)$, clear denominators, and compare coefficients. $A=5$, $B=9$; result $5/(x+7)+9/(x+13)$.

05

Decompose $(9 \cdot x + 54)/((x+2)(x+8))$ into partial fractions.

Write $A/(x+2)+B/(x+8)$, clear denominators, and compare coefficients. $A=6$, $B=3$; result $6/(x+2)+3/(x+8)$.

06

Decompose $(16 \cdot x + 56)/((x+5)(x+3))$ into partial fractions.

Write $A/(x+5)+B/(x+3)$, clear denominators, and compare coefficients. $A=12$, $B=4$; result $12/(x+5)+4/(x+3)$.