



TRİGONOMETRİK DEĞİŞKEN DEĞİŞTİRMELER

Trigonometrik ...

Örnek 1.

Örnek 2.

(II)...

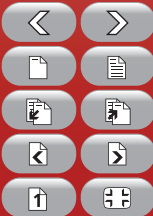
Örnek 3.

Örnek 4.

(III)...

Örnek 5.

Örnek 6.



Trigonometrik Değişken Değişirmeler

(I). $\int R_1(x, \sqrt{x^2 + a^2}) dx$ ve $\int R_2(x, x^2 + a^2) dx$ Tipindeki İntegraller



Trigonometrik ...

Örnek 1.

Örnek 2.

(II)...

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Örnek 4.

(III)...

Örnek 5.

Örnek 6.





Trigonometrik ...

Örnek 1.

Örnek 2.

(II)...

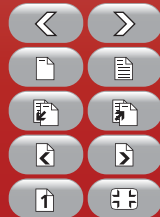
Örnek 3.

Örnek 4.

(III)...

Örnek 5.

Örnek 6.





Trigonometrik ...

Örnek 1.

Örnek 2.

(II)...

Örnek 3.

Örnek 4.

(III)...

Örnek 5.

Örnek 6.



Örnek 2.

$\int \frac{dx}{x^2 + a^2}$ integralini bulalım.



Trigonometrik ...

Örnek 1.

Örnek 2.

(II) ...

Örnek 3.

Örnek 4.

(III) ...

Örnek 5.

Örnek 6.



(II). $\int R(x, \sqrt{x^2 - a^2}) dx$ Tipindeki İntegraller

$a > 0$ olmak üzere



Trigonometrik ...

Örnek 1.

Örnek 2.

(II)...

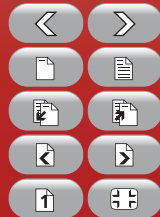
Örnek 3.

Örnek 4.

(III)...

Örnek 5.

Örnek 6.



Örnek 3.

$\int \frac{dx}{\sqrt{x^2 - a^2}}$ integralini bulalım.



Trigonometrik ...

Örnek 1.

Örnek 2.

(II) ...

Örnek 3.

Örnek 4.

(III) ...

Örnek 5.

Örnek 6.



Örnek 4.

$I = \int \sqrt{x^2 - a^2} dx$ integralini bulalım.



Trigonometrik ...

Örnek 1.

Örnek 2.

(II) ...

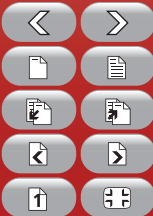
Örnek 3.

Örnek 4.

(III) ...

Örnek 5.

Örnek 6.



Örnek 4.

olduğundan

9/13



Trigonometrik ...

Örnek 1.

Örnek 2.

(II)...

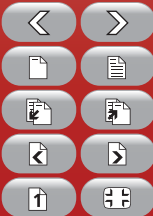
Örnek 3.

Örnek 4.

(III)...

Örnek 5.

Örnek 6.



(III). $\int R(x, \sqrt{a^2 - x^2}) dx$ Tipindeki İntegraller

$a > 0$ olmak üzere



Trigonometrik ...

Örnek 1.

Örnek 2.

(II) ...

Örnek 3.

Örnek 4.

(III) ...

Örnek 5.

Örnek 6.



Örnek 5.

$\int \frac{dx}{\sqrt{a^2 - x^2}}$ integralini bulalım.



Trigonometrik ...

Örnek 1.

Örnek 2.

(II) ...

Örnek 3.

Örnek 4.

(III) ...

Örnek 5.

Örnek 6.



Örnek 6.

$I = \int \sqrt{a^2 - x^2} dx$ integralini bulalım.



Trigonometrik ...

Örnek 1.

Örnek 2.

(II) ...

Örnek 3.

Örnek 4.

(III) ...

Örnek 5.

Örnek 6.



$$\sin 2t =$$



Trigonometrik ...

Örnek 1.

Örnek 2.

(II) ...

Örnek 3.

Örnek 4.

(III) ...

Örnek 5.

Örnek 6.

