

8 NİSAN 2014  
MT 382 LATEKS ARA SINAVI ÇÖZÜMLER

1	2	3	4	5	6	7	8	9	10
<code>\begin</code>	<code>df</code>	<code>\</code>	<code>\]</code>	<code>\left</code>	<code>&amp;</code>	<code>array</code>	<code>n=1</code>	<code>n^s (veya n^{s})</code>	<code>\frac</code>
11	12	13	14	15	16	17	18	19	20
<code>\sin</code>	<code>{</code>	<code>lc (veya ll)</code>	<code>\right.</code>	<code>\tetrn (veya \mathrm)</code>	<code>x &lt; 0</code>	<code>^{b} (veya ^b)</code>	<code>\int</code>	<code>\right </code>	<code>document</code>

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\documentclass[10pt,a4paper]{article}\usepackage[latin5]{inputenc}\usepackage{amsmath,amsfonts,amssymb}
1 {document}
```

```
\[ f(x)=\sin x \text{ ise } \frac{2}{dx}=3 \cos x \text{ olur.} 4
```

```
\[ 5 [ \begin{array}{cc}
a 6 b \\
c & d
\end{array} 7 ]\right) \]
```

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\[ \text{Euler' in Formülü:} \quad \sum_{8}^{\infty} \frac{1}{9} = \prod_{p \text{ asal}} \frac{1}{10} \quad (s>1) \]
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\[ \lim_{x \to 0} \frac{11}{x} = 1 \]
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```
\[ \left| x \right| = \begin{array}{l} x \text{ & } x \geq 0 \\ -x \text{ & } x \leq 0 \end{array} \quad \text{Euler' in Formülü:} \quad \sum_{n=1}^{\infty} \frac{1}{n^s} = \prod_{p \text{ asal}} \frac{1}{1 - \frac{1}{p^s}} \quad (s > 1) \]
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```
\[ \text{Diferensiyel-İntegral Hesabın Temel Teoremi (I. Şekli):} \quad \int_a^b f(x) dx = \int f(x) dx \Big|_a^b \]
```

$$f(x) = \sin x \text{ ise } \frac{df}{dx} = \cos x \text{ olur.}$$

$$\begin{pmatrix} a & b \\ c & d \end{pmatrix}$$

$$\text{Euler' in Formülü: } \sum_{n=1}^{\infty} \frac{1}{n^s} = \prod_{p \text{ asal}} \frac{1}{1 - \frac{1}{p^s}} \quad (s > 1)$$

$$\lim_{x \rightarrow 0} \frac{\sin x}{x} = 1$$

$$|x| = \begin{cases} x & x \geq 0 \text{ ise} \\ -x & x \leq 0 \text{ ise} \end{cases}, \quad f(x) = \begin{cases} x & x > 1 \text{ ise} \\ x^2 & 0 \leq x \leq 1 \text{ ise} \\ \sin x & x < 0 \text{ ise} \end{cases}$$

$$\text{Diferensiyel-İntegral Hesabın Temel Teoremi (I. Şekli): } \int_a^b f(x) dx = \int f(x) dx \Big|_a^b$$