

## درس جلسه دوم: (فرمول نویسی Formula)

این مباحث فقط برای آموزش دانشجویان ترم یک سخت افزار مقطع کارشناسی (دانشکده فنی) می باشد.

Percent	درصد %
To the power of	به توان
Point	نقطه
Is approximately equal to	تقریباً مساوی است با
To	تا
plus	+
minus	-
multiplied	*
Divide by or over by	/
Is equal to	=
Is greater than	>
Is greater than or equal to	>=
Is less than	<
Is less than or equal to	<=
The square root of six Or Root of six	$\sqrt{6}$
The cube root of six	$\sqrt[3]{6}$

مثالهایی از فرمولها:

# FORMULA

$$\frac{1}{2} + \frac{1}{3} + \frac{1}{4}$$

One over by two plus one over by three plus one over by four.

Percent

درصد

20% Twenty percent

۲۰ درصد

$$10\% + 20\% = 30\%$$

Ten Percent Plus twenty percent is equal to thirty percent.

Exponention

توان

$$x^2$$

X to the Power of two

OR

X Squared

X به توان ۲ یا مربع X

$$x^3$$

X to the Power Of three

OR

X Cubed

X به توان ۳ یا مکعب X

$$x^{-5}$$

X to the power Of minus five

Point

نقطه

$$3.14159$$

Three point one four one five nine

$$x \cong y$$

x is approximately equal to y

30°C Thirty degrees centigrade

# FORMULA

$$\frac{1}{2} + \frac{1}{3} + \frac{1}{4}$$

One over by two plus one over by three plus one over by four.

Percent درصد

20% Twenty percent

۲۰ درصد

$$10\% + 20\% = 30\%$$

Ten Percent Plus twenty percent is equal to thirty percent.

Exponention توان

$$x^2$$

$x$  به توان ۲ یا  $x$  to the Power of two OR  $x$  Squared

$x$  به توان ۲ یا مربع  $x$

$$x^3$$

$x$  به توان ۳ یا  $x$  to the Power Of three OR  $x$  Cubed

$x$  به توان ۳ یا مکعب  $x$

$$x^{-5}$$

$x$  به توان - ۵  
 $x$  to the power Of minus five

Point نقطه

3.14159

Three point one four one five nine

$$x \cong y$$

$x$  is approximately equal to  $y$

30°C Thirty degrees centigrade

To

۱۱ تا ۵  
11:5 Eleven to five

$$x = \frac{\sqrt{5}-2}{3.14}$$

x Is Equal To the square root of five minus two over by three point one four

Operators

(+) Addition <sup>جمع</sup> 2 + 3 Two Plus three.

(-) Subtraction <sup>تفریق</sup> 5 - 4 Five minus for.

(X) Multiplication <sup>ضرب</sup> 6 X 7 Six multiplide seven OR Six times seven

(/) Division <sup>تقسیم</sup> 9/3 Nine Divide By Three OR Nine Over By Three

= x = y x Is Equal to y

> x > y x Is Greater than y <sup>بزرگتر از</sup> x بزرگتر از y است

>= x ≥ y x Is Greater than or equal to y <sup>بزرگتر یا مساوی</sup>

< x < y x Is Less than y <sup>کوچکتر از</sup>

<= x ≤ y x Is less than or equal to y <sup>کوچکتر یا مساوی</sup>

$\frac{x}{y}$   $\frac{x}{y}$  x Over by y OR The ratio Of x by y <sup>نسبت</sup>

$\sqrt{?}$   $\sqrt{6}$  The Square root Of six OR Root Of Six <sup>ریشه دوم</sup>  $\frac{x}{y}$  تقسیم بر y یا نسبت x به y

$\sqrt[3]{6}$  The Cube Root Of Six <sup>ریشه سوم</sup>  $\sqrt[3]{8}$  The cube root Of 8 <sup>ریشه سوم</sup> ۶ یا ریشه ۶

cube Root of <sup>ریشه سوم</sup>  
ریشه سوم

To

11:5 Eleven to five

$x = \frac{\sqrt{5}-2}{3.14}$

x Is Equal To the square root of five minus two over by three point one four

Operators

(+) Addition  $2 + 3$  Two Plus three.

(-) Subtraction  $5 - 4$  Five minus for.

(X) Multiplication  $6 \times 7$  Six multiplide seven OR Six times seven

(/) Division  $9/3$  Nine Divide By Three OR Nine Over By Three

= تساوی  $x = y$  x Is Equal to y

= تساوی

$x = y$  x Is Equal to y

$x > y$  x Is Greater than y

$x \geq y$  x Is Greater than or equal to y

$x < y$  x Is Less than y

$x \leq y$  x Is less than or equal to y

$\frac{x}{y}$  x Over by y OR The ratio Of x by y

$\sqrt{6}$  The Square root Of six OR Root Of Six

$\sqrt[3]{6}$  The Cube Root Of Six

$\sqrt[3]{8}$  The cube root Of 8

cube Root of