In[1]:= **?Plot**

> $\text{Plot}[f, \{x, x_{min}, x_{max}\}]$ generates a plot of f as a function of x from x_{min} to x_{max}.
> $\text{Plot}[\{f_1, f_2, ...\}, \{x, x_{min}, x_{max}\}]$ plots several functions f_i.
> $\text{Plot}[..., \{x\} \in reg]$ takes the variable x to be in the geometric region reg.

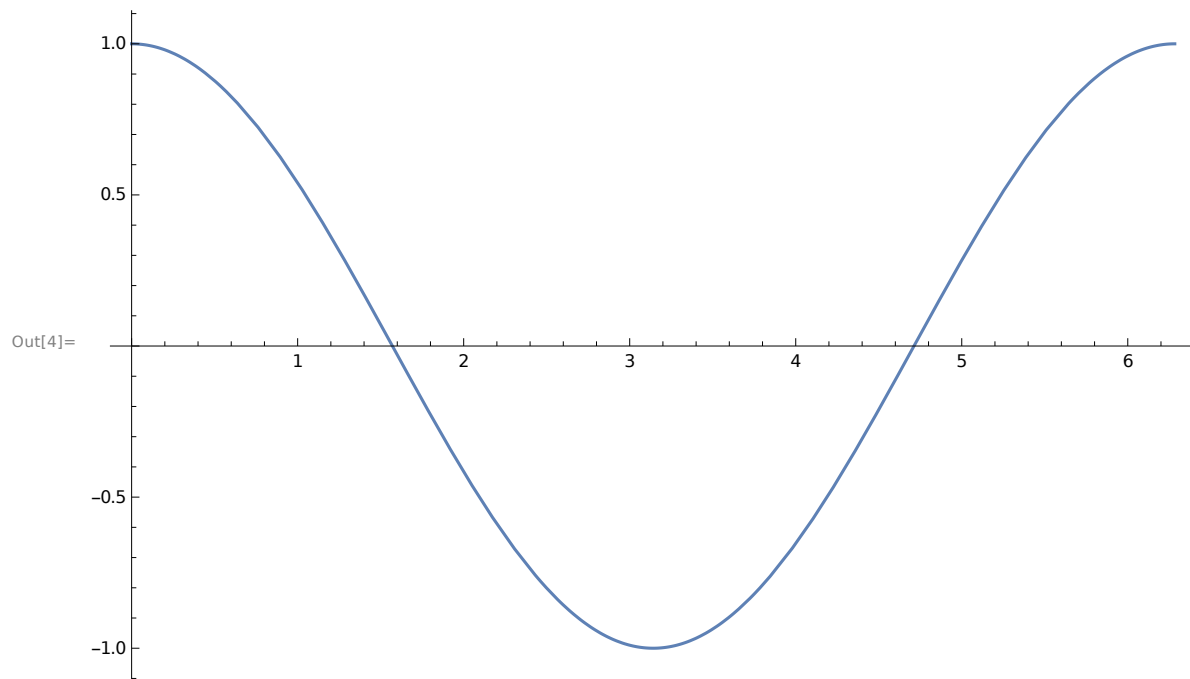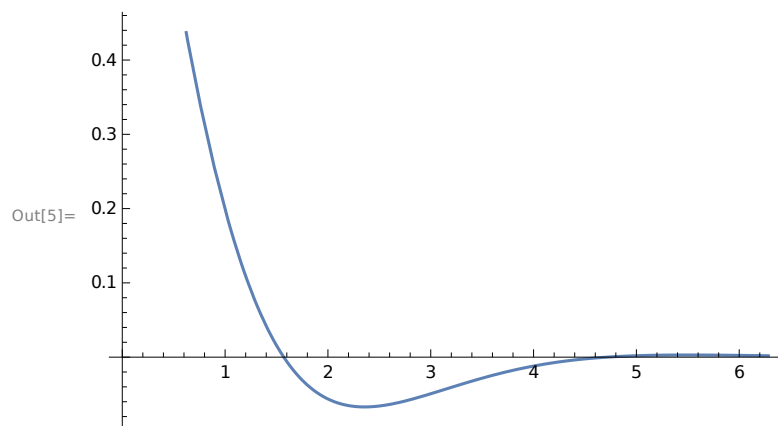In[2]:= **Plot[Sin[x], {x, 0, 2 Pi}]**

Out[2]=
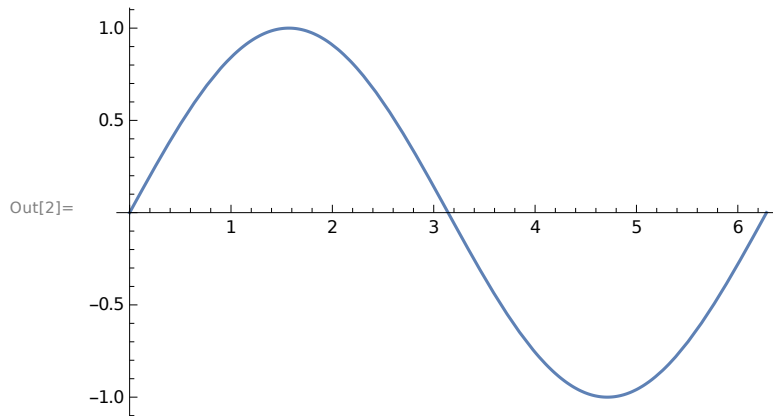
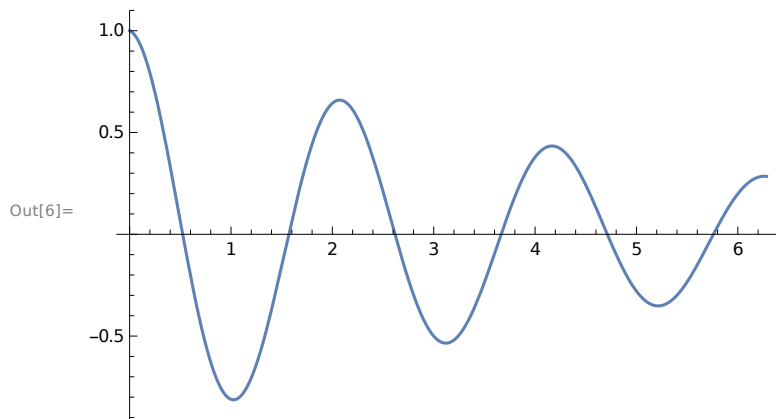In[3]:= **Plot[Sin[x], {x, 0, 2 Pi}, ImageSize → Large]**

Out[3]=
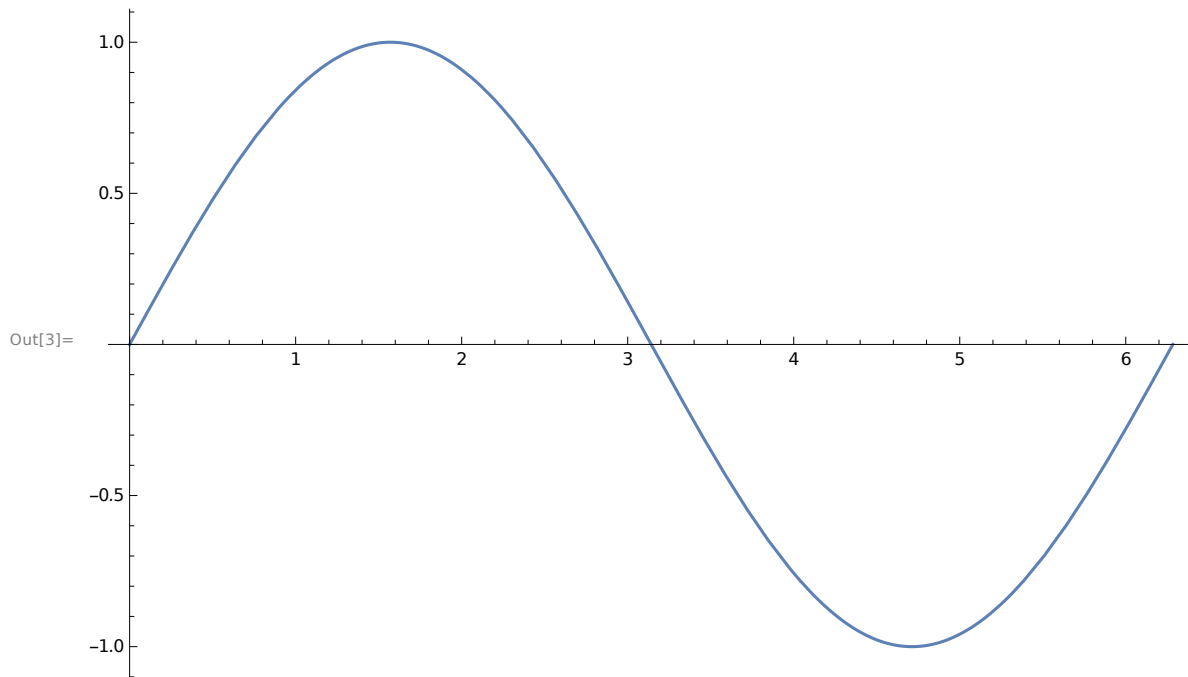
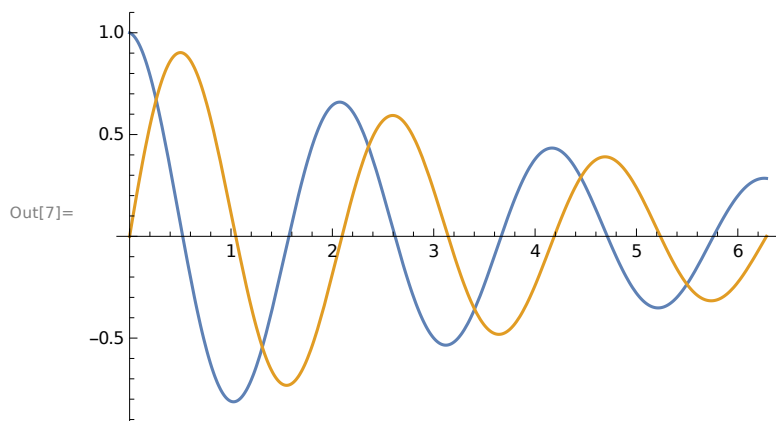In[4]:= **Plot[Cos[k], {k, 0, 2 Pi}, ImageSize → Large]**

Out[4]=

In[5]:= **Plot[Exp[-x] * Cos[x], {x, 0, 2 Pi}]**

Out[5]=

In[6]:= `Plot[Exp[-0.2 x] * Cos[3 x], {x, 0, 2 Pi}]`

Out[6]=

In[7]:= `Plot[{Exp[-0.2 x] * Cos[3 x], Exp[-0.2 x] * Sin[3 x]}, {x, 0, 2 Pi}]`

Out[7]=

In[8]:= `Plot[{Exp[-0.2 x] * Cos[3 x], Exp[-0.2 x] * Sin[3 x]},`
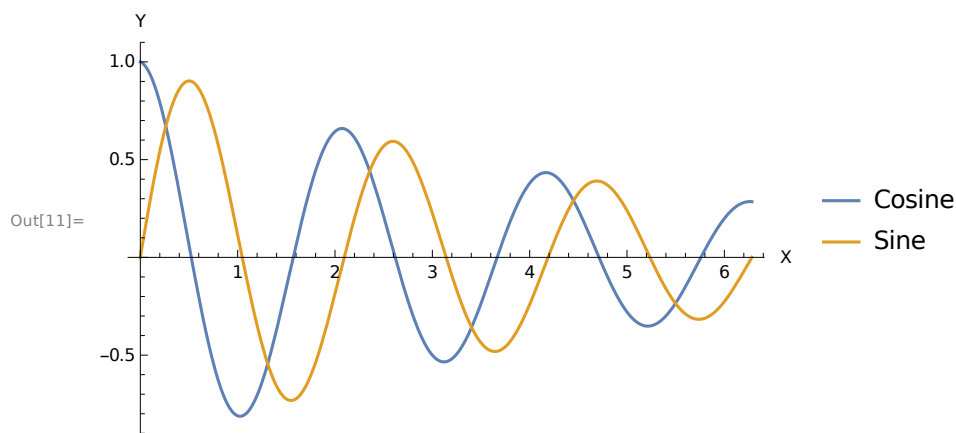`{x, 0, 2 Pi}, PlotLegends → Automatic]`

Out[8]=
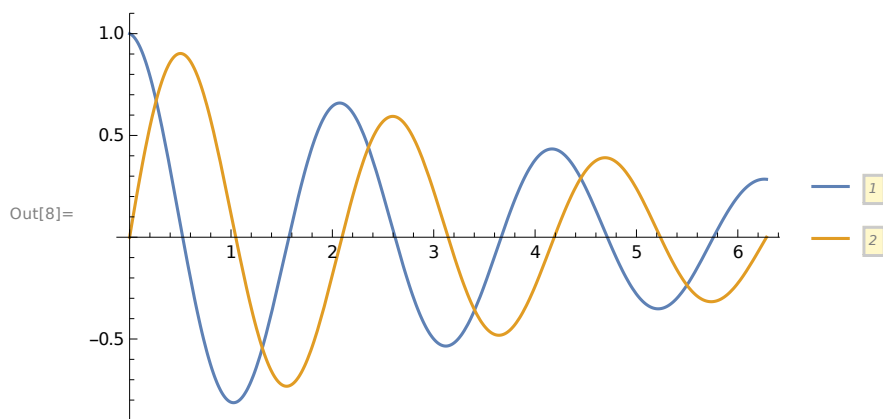
In[9]:= `Plot[{Exp[-0.2 x] * Cos[3 x], Exp[-0.2 x] * Sin[3 x]},`
`{x, 0, 2 Pi}, PlotLegends → {"Cosine", "Sine"}]`

Out[9]=
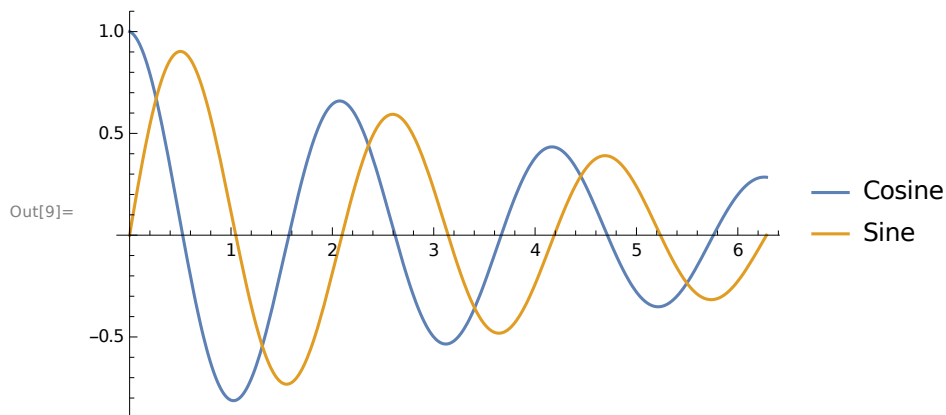
In[10]:= `Plot[{Exp[-0.2 x] * Cos[3 x], Exp[-0.2 x] * Sin[3 x]},`
`{x, 0, 2 Pi}, PlotLegends → {"Cosine", "Sine"}, AxesLabel → {"x", "y"}]`

Out[10]=
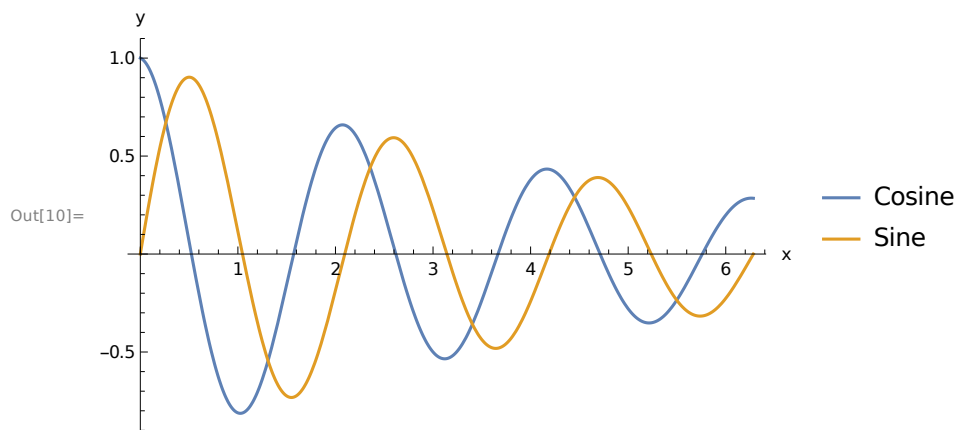
In[11]:= `Plot[{Exp[-0.2 x] * Cos[3 x], Exp[-0.2 x] * Sin[3 x]},`
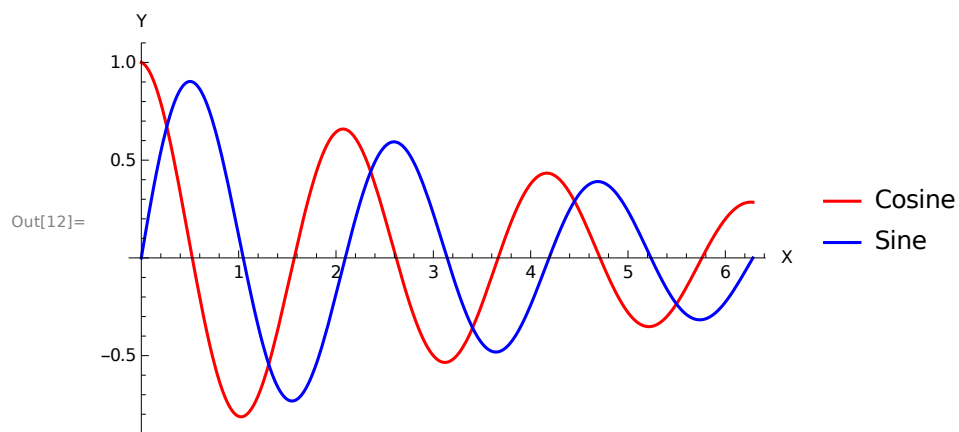`{x, 0, 2 Pi}, PlotLegends → {"Cosine", "Sine"}, AxesLabel → {"X", "Y"}]`

Out[11]=

In[12]:= `Plot[{Exp[-0.2 x] * Cos[3 x], Exp[-0.2 x] * Sin[3 x]}, {x, 0, 2 Pi},`
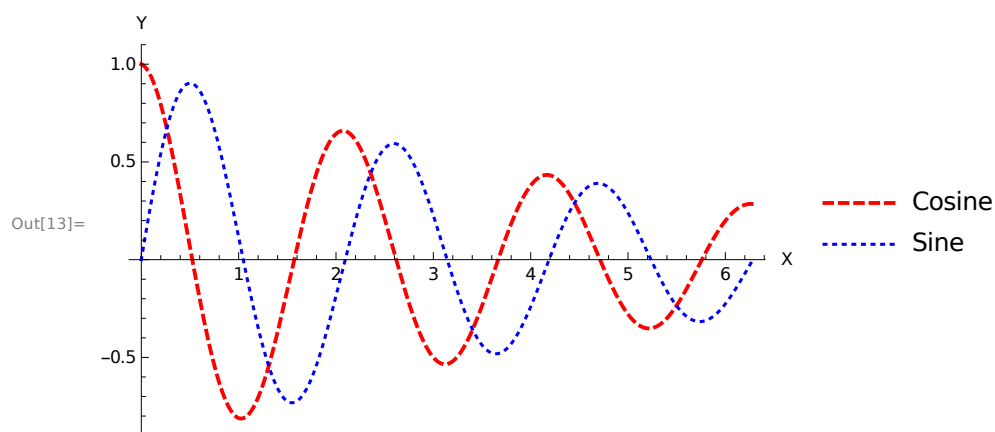`    PlotLegends → {"Cosine", "Sine"}, AxesLabel → {"X", "Y"}, PlotStyle → {Red, Blue}]`

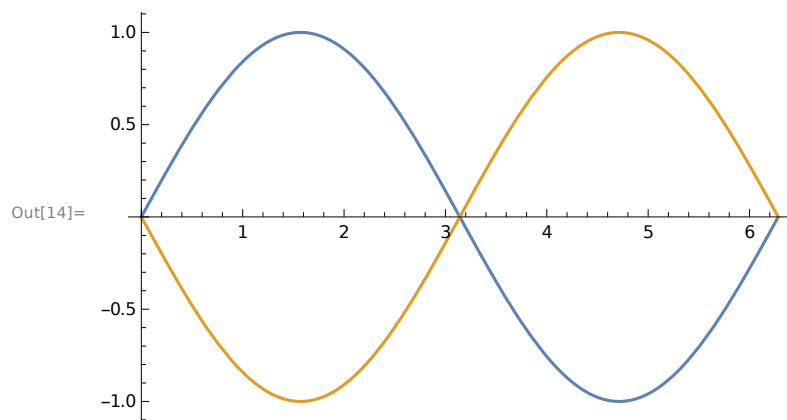Out[12]=

In[13]:= `Plot[{Exp[-0.2 x] * Cos[3 x], Exp[-0.2 x] * Sin[3 x]}, {x, 0, 2 Pi},`
`    PlotLegends → {"Cosine", "Sine"}, AxesLabel → {"X", "Y"},`
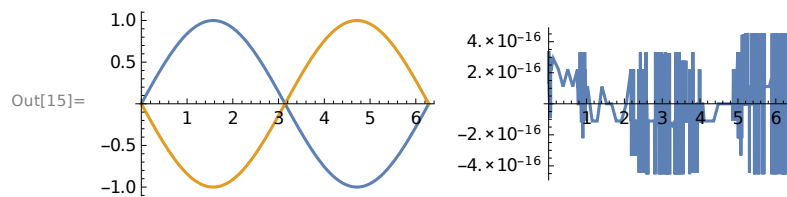`    PlotStyle → {{Red, Dashed, Thick}, {Blue, Dotted}}]`

Out[13]=

In[14]:= `Plot[{Sin[x], Sin[x + Pi]}, {x, 0, 2 Pi}]`

Out[14]=

? `GraphicsRow`

□

In[15]:= `GraphicsRow[{Plot[{Sin[x], Sin[x + Pi]}, {x, 0, 2 Pi}],`
`Plot[Sin[x] + Sin[x + Pi], {x, 0, 2 Pi}]}]`

Out[15]=

In[16]:= `GraphicsRow[`
`{Plot[{Sin[x], Sin[x + Pi]}, {x, 0, 2 Pi}, PlotRange → {Automatic, {-1.5, 1.5}}],`
`Plot[Sin[x] + Sin[x + Pi],`
`{x, 0, 2 Pi}, PlotRange → {Automatic, {-1.5, 1.5}}]}]`

Out[16]=