In[10]:=
$$\lambda_1 = 9$$
$$\lambda_2 = 11$$
$$A = 1$$

Out[10]= 9

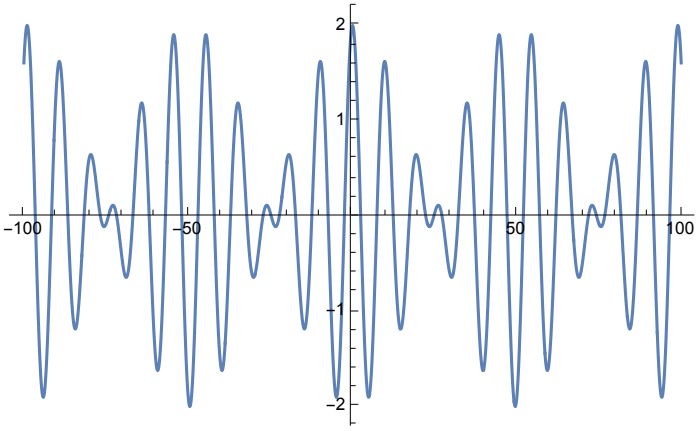
Out[11]= 11

Out[12]= 1

In[13]:=
$$f := 2 * A * \text{Cos}\left[\frac{\pi * x}{\lambda_1} - \frac{\pi * x}{\lambda_2}\right] * \text{Cos}\left[\frac{\pi * x}{\lambda_1} + \frac{\pi * x}{\lambda_2}\right]$$

In[15]:=
```
Plot[f, {x, -100, 100}]
```

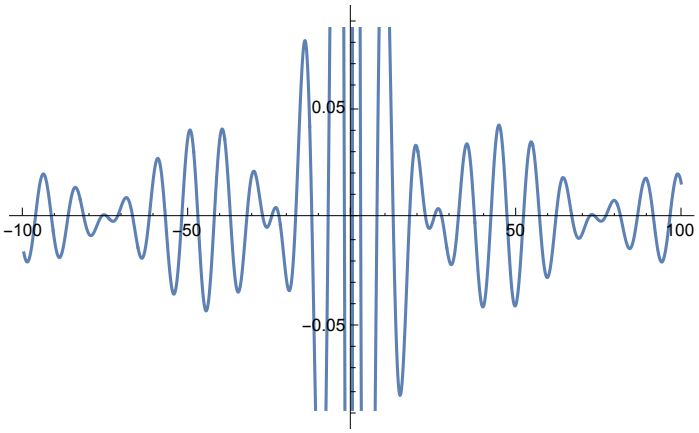
Out[15]=



In[16]:=
$$g := 2 * A * \frac{\text{Cos}\left[\frac{\pi * x}{\lambda_1} - \frac{\pi * x}{\lambda_2}\right]}{x} * \text{Cos}\left[\frac{\pi * x}{\lambda_1} + \frac{\pi * x}{\lambda_2}\right]$$

```
Plot[g, {x, -100, 100}]
```

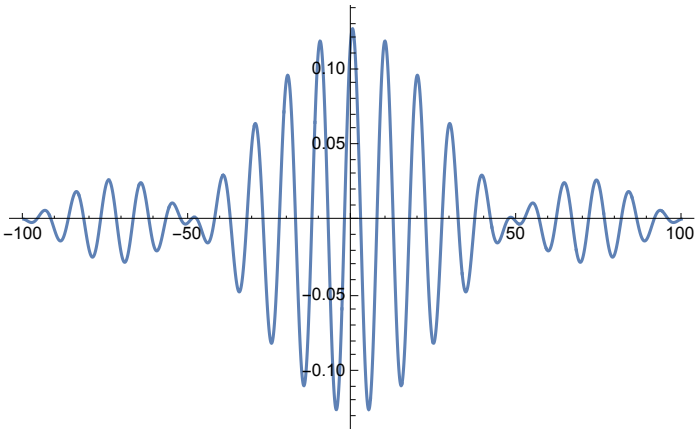
Out[17]=



In[18]:=
$$h := 2 * A * \frac{\text{Sin}\left[\frac{\pi * x}{\lambda_1} - \frac{\pi * x}{\lambda_2}\right]}{x} * \text{Cos}\left[\frac{\pi * x}{\lambda_1} + \frac{\pi * x}{\lambda_2}\right]$$

In[19]:=
```
Plot[h, {x, -100, 100}]
```

Out[19]=



In[25]:=
```
Plot[{f, g, h}, {x, -100, 100}, PlotRange → 2,
 PlotStyle -> {Red, Green, Blue}, PlotLegends → "Placeholder"]
```

Out[25]=