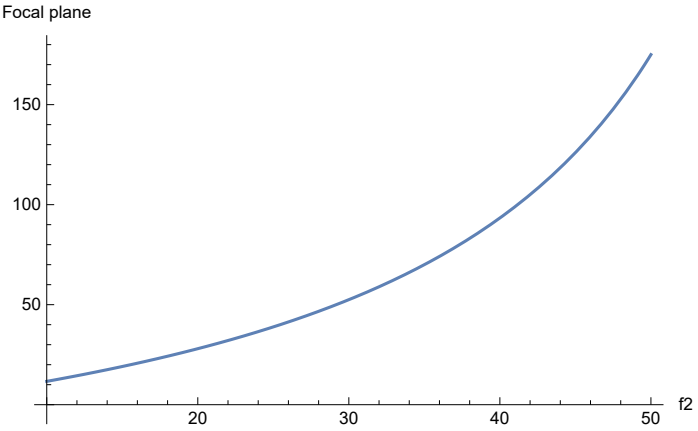
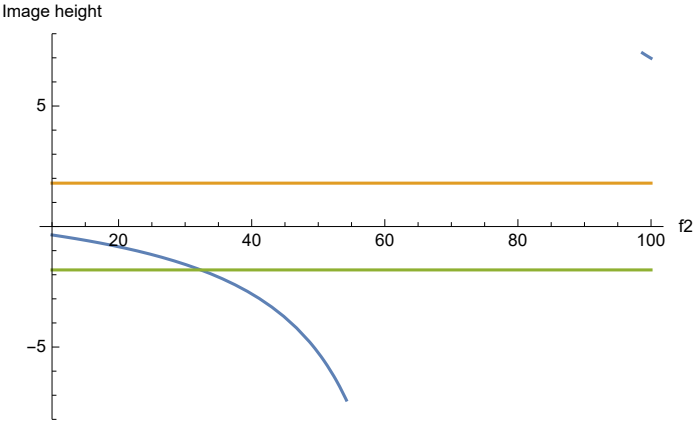
```
fP[f1_, f2_, d_] := f1 f2 / (f1 + f2 - d) (1 - d / f1)
(*Focal plane wrt the second lens. Positive to the right of the lens*)
yim[f1_, f2_, d_, θ_] := f1 f2 / (f1 + f2 - d) θ (*Image height*)

f1 = 60;
d = 130; (*Inter-lens distance*)
θ = 2 Degree; (*Incident angle*)
Plot[fP[f1, f2, d], {f2, 10, 50}, AxesLabel → {"f2", "Focal plane"}]
```




```
Plot[{yim[f1, f2, d, θ], 1.8, -1.8}, {f2, 10, 100}, AxesLabel → {"f2", "Image height"}]
```




```
f2 = 30;
1. fP[f1, f2, d]
1. yim[f1, f2, d, θ]
```

52.5

-1.5708