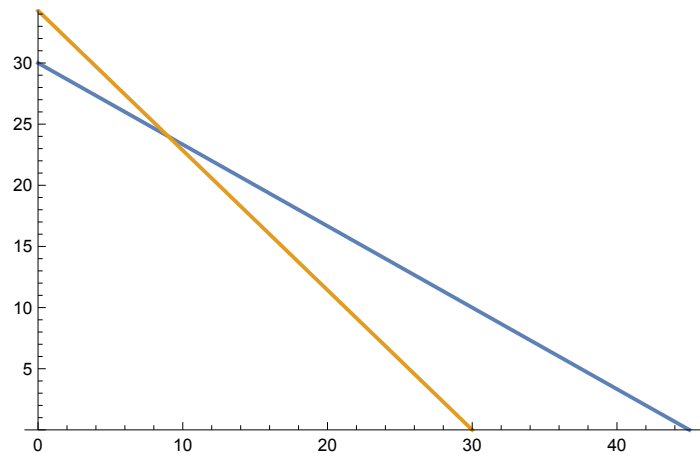
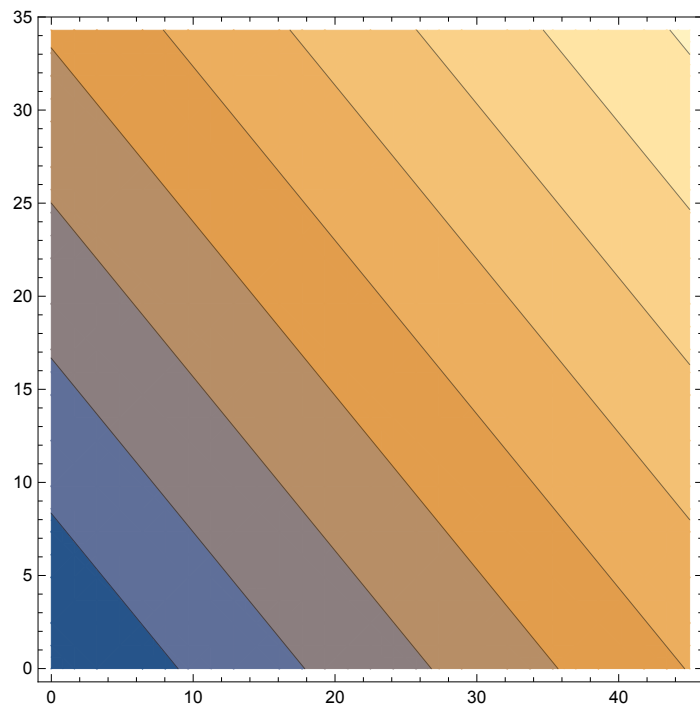


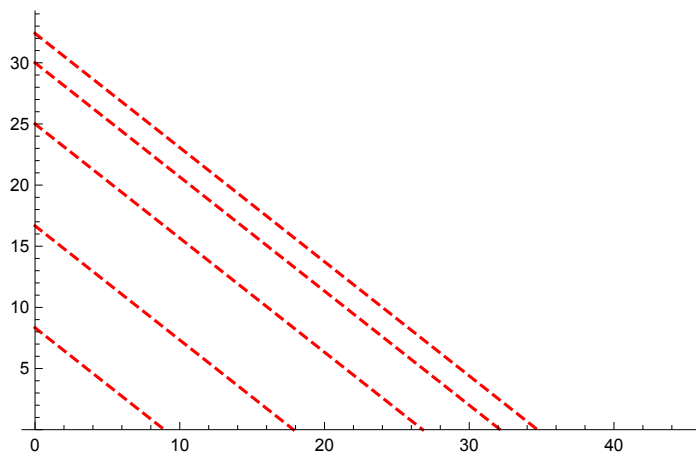
```
plot1 = Plot[{-2 / 3 x + 30, -8 / 7 x + 240 / 7},  
  {x, 0, 45}, PlotRange -> {0, 240 / 7}, PlotStyle -> Thick]
```



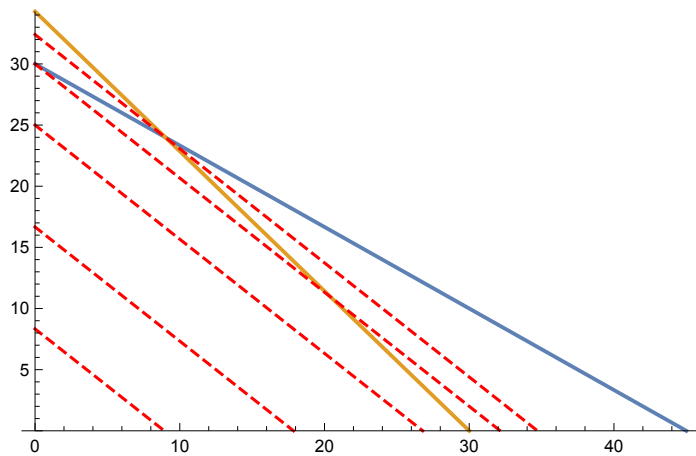
```
ContourPlot[28 x + 30 y, {x, 0, 45}, {y, 0, 240 / 7}]
```



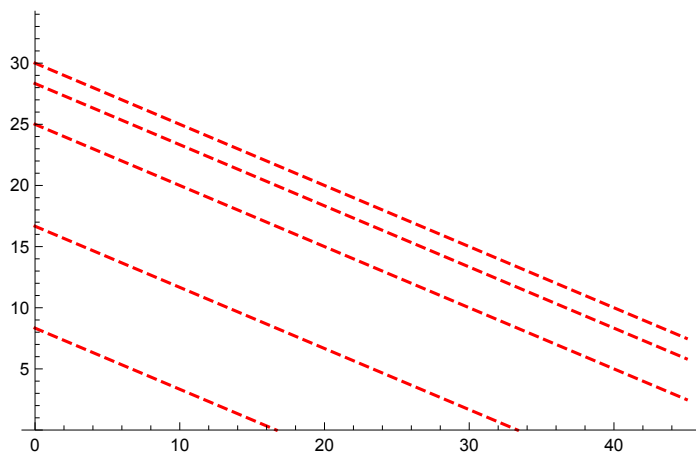
```
plot2 = Plot[{-28 / 30 x + 250 / 30, -28 / 30 x + 500 / 30,
  -28 / 30 x + 750 / 30, -28 / 30 x + 900 / 30, -28 / 30 x + 972 / 30},
  {x, 0, 45}, PlotRange -> {0, 240 / 7}, PlotStyle -> {{Red, Dashed}}]
```



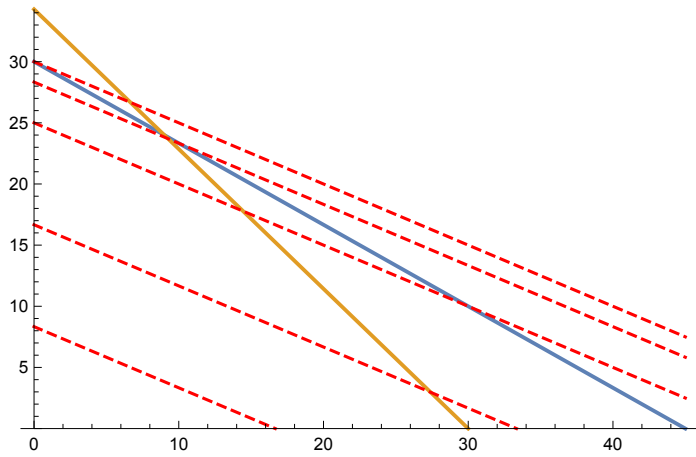
```
Show[plot1, plot2]
```



```
plot3 = Plot[{-15 / 30 x + 250 / 30, -15 / 30 x + 500 / 30,
  -15 / 30 x + 750 / 30, -15 / 30 x + 850 / 30, -15 / 30 x + 900 / 30},
  {x, 0, 45}, PlotRange -> {0, 240 / 7}, PlotStyle -> {{Red, Dashed}}]
```



```
Show[plot1, plot3]
```



```
Manipulate[Plot[{-2/3 x + 30, -8/7 x + 240/7, -c/30 x + (9 * c + 30 * 24) / 30},
  {x, 0, 45}, PlotRange -> {0, 240/7}, PlotStyle -> Thick], {c, 10, 45}]
```

