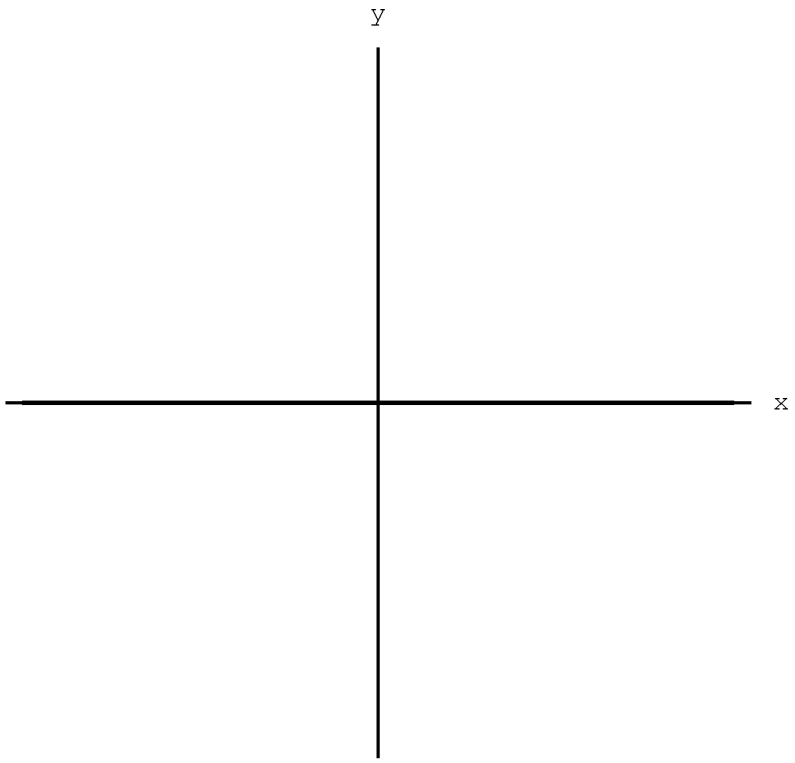
Name _____ **ANSWERS AT END**

[06-05-31-T7C]

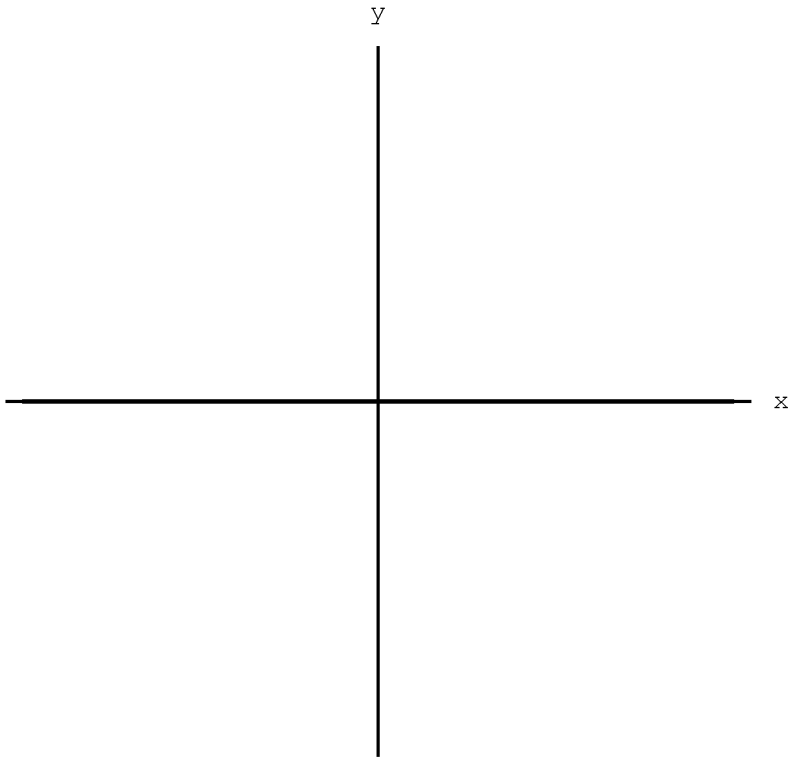
Eqn of line

■ **B. Graph each function. <u>Label two points on the graph</u>. To get full credit, you <u>must</u> label two points on the graph. (15 points each)**

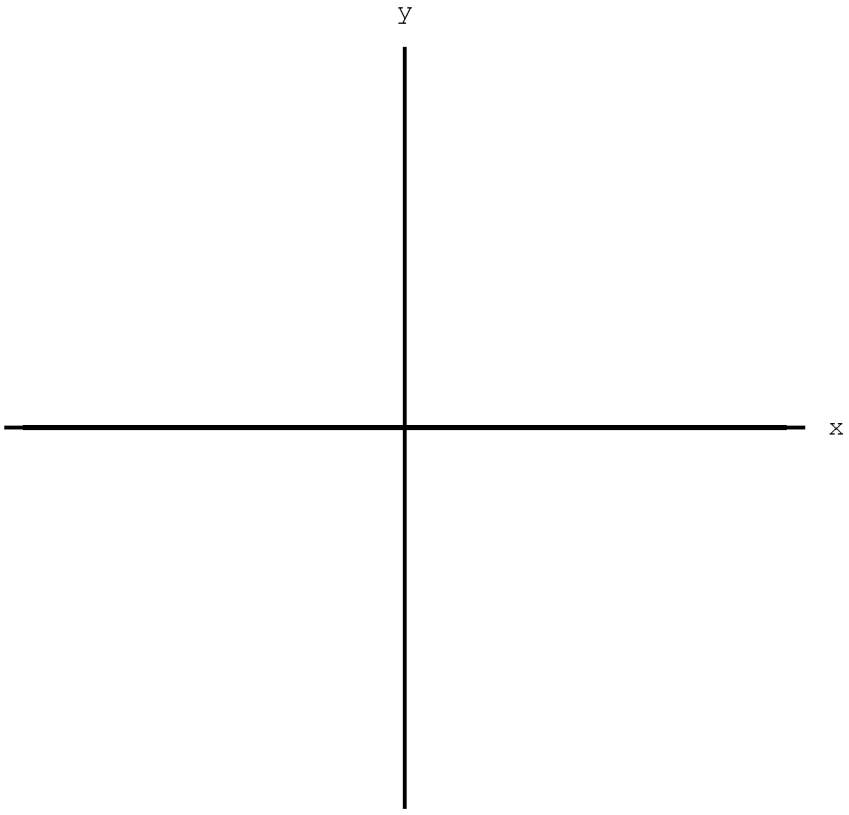
[1] Graph the function $y = 3x$.



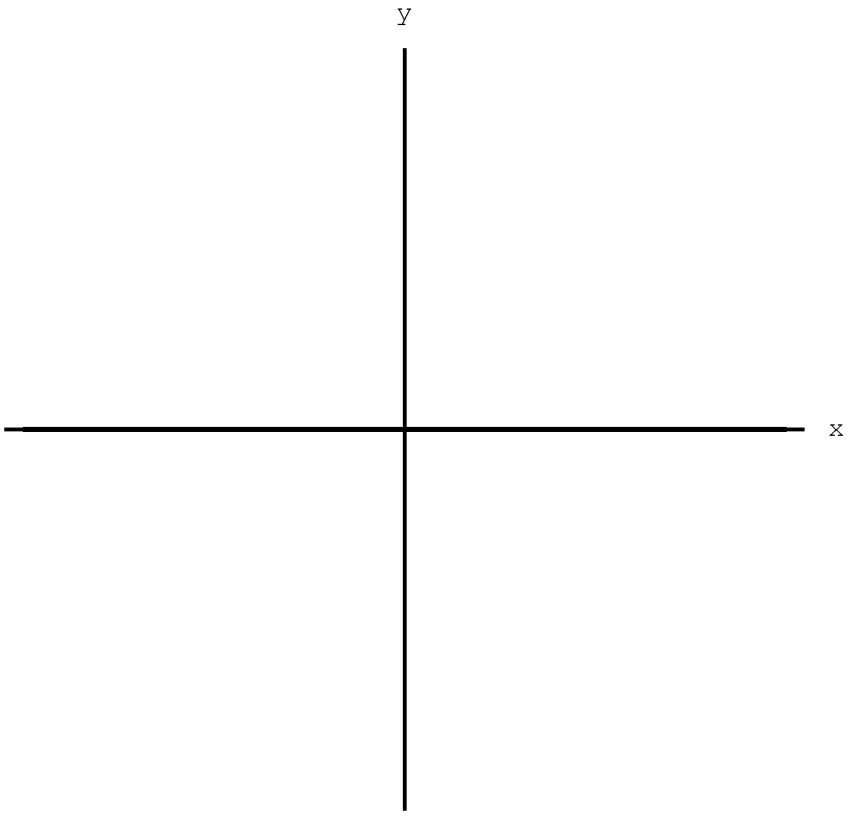
[2] Graph the function $y = -\frac{1}{4}x$.



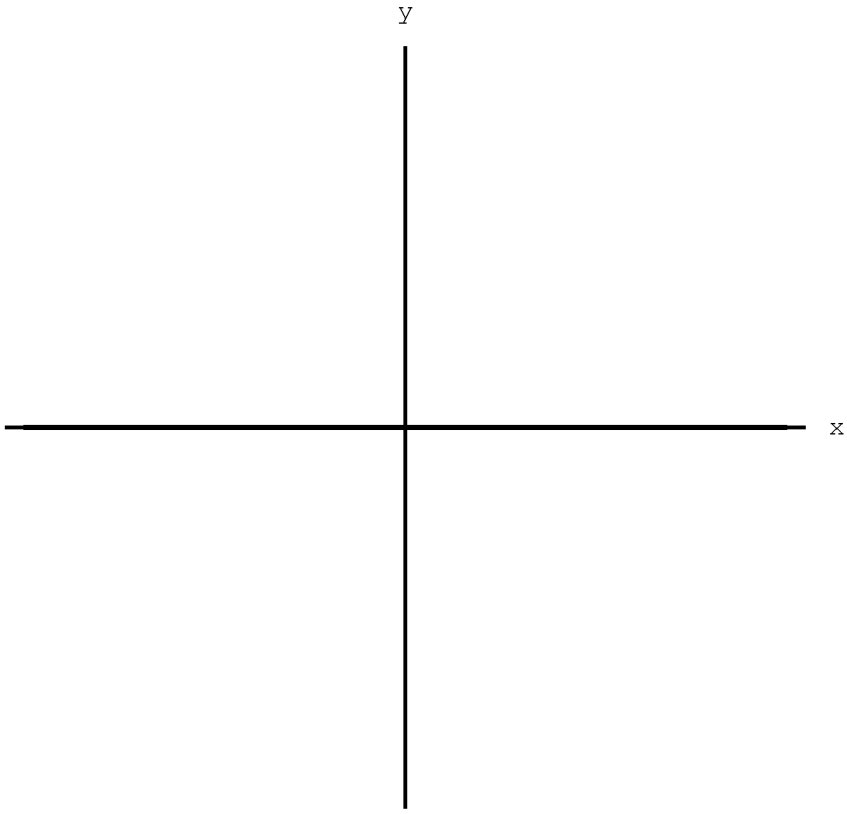
[3] Graph the function $y = 2x + 7$.



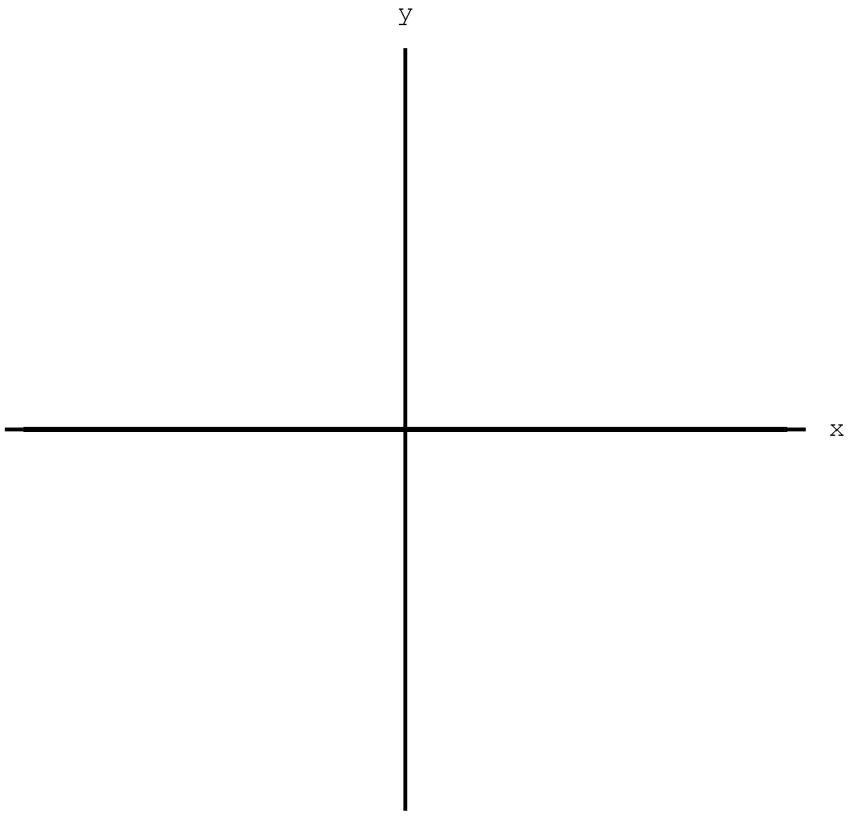
[4] Graph the function $y = -4x - 5$.



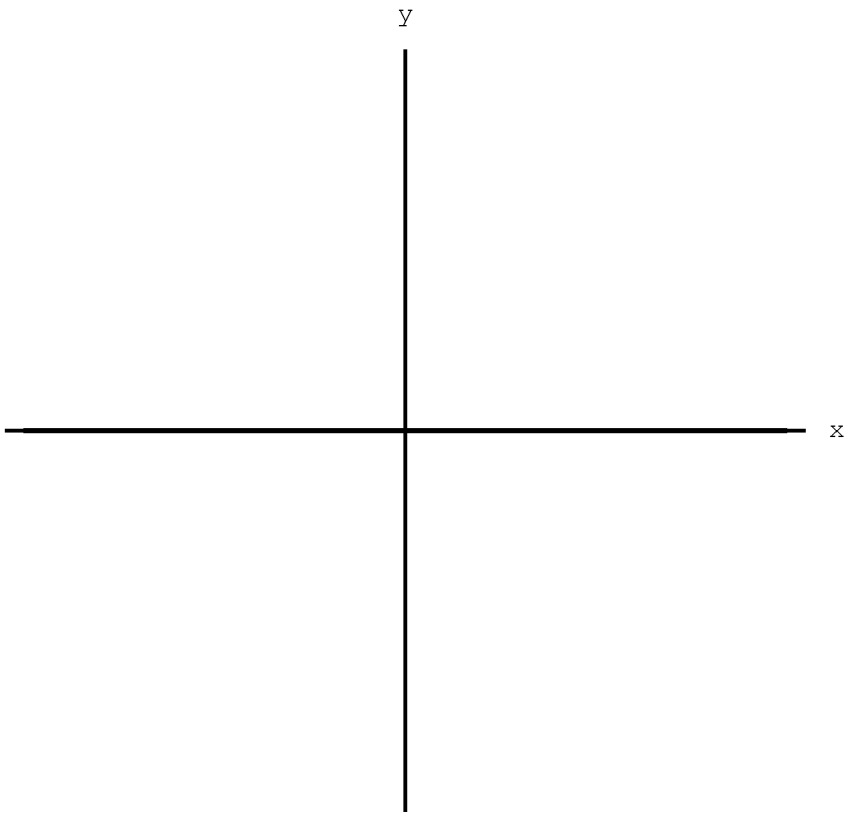
[5] Graph the function $y = -3$.



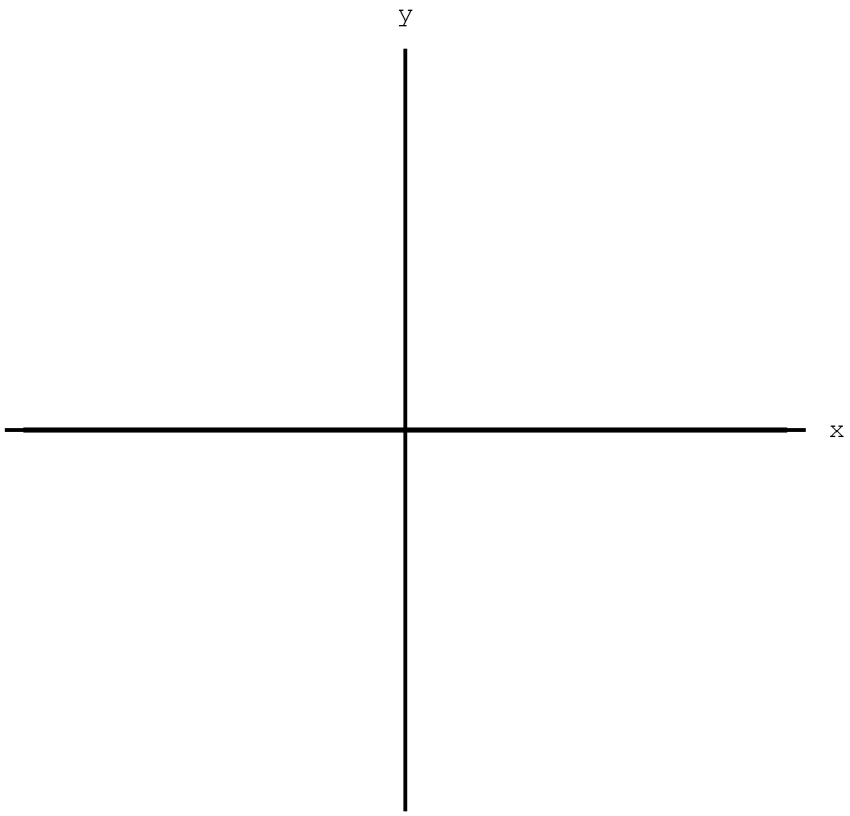
[6] Graph the function $y = x - 4$.



[7] Graph the function $y = \frac{3}{5}x - 2$.



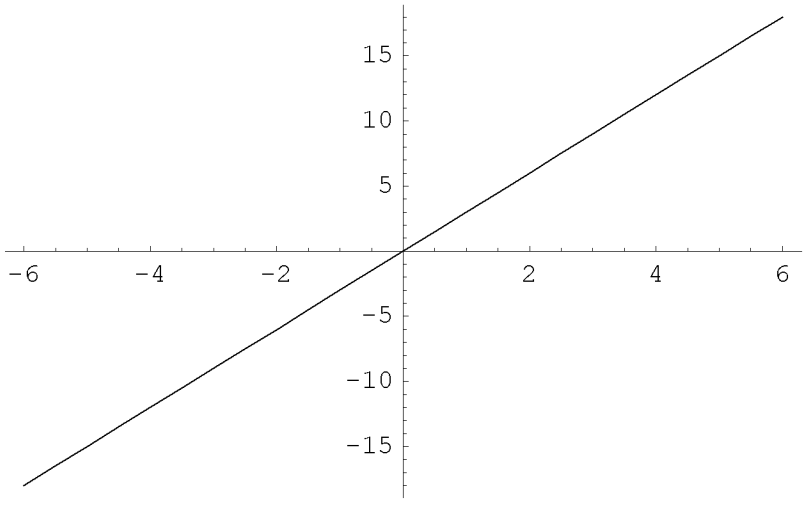
[8] Graph the function $y = \frac{-3}{2}x + 5$.



■ ANSWERS

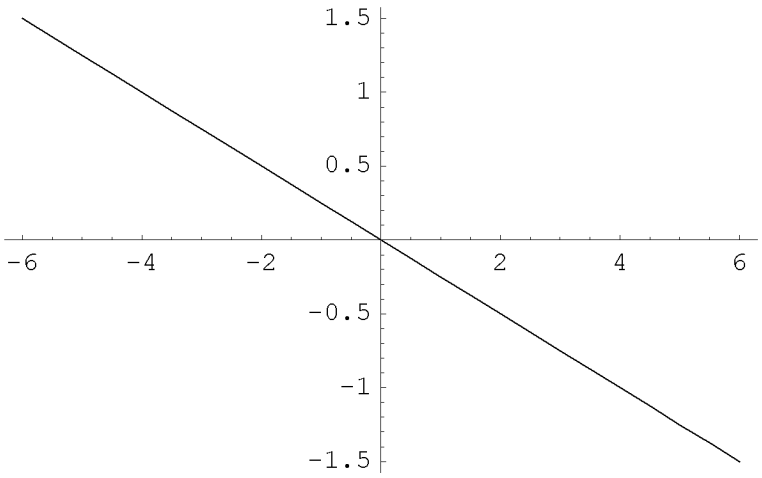
[1] Graph the function $y = 3x$.

In[8]:=
```
Plot[3 x, {x, a, b}];
```



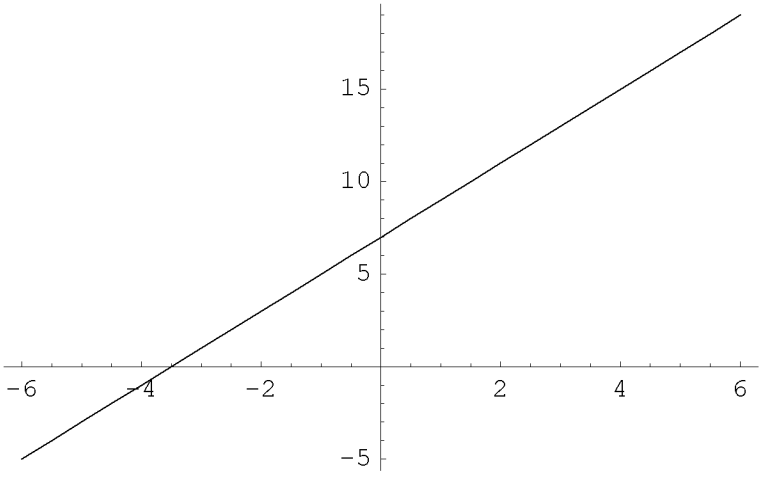
[2] Graph the function $y = -\frac{1}{4}x$.

In[9]:=
```
Plot[-1/4 x, {x, a, b}];
```



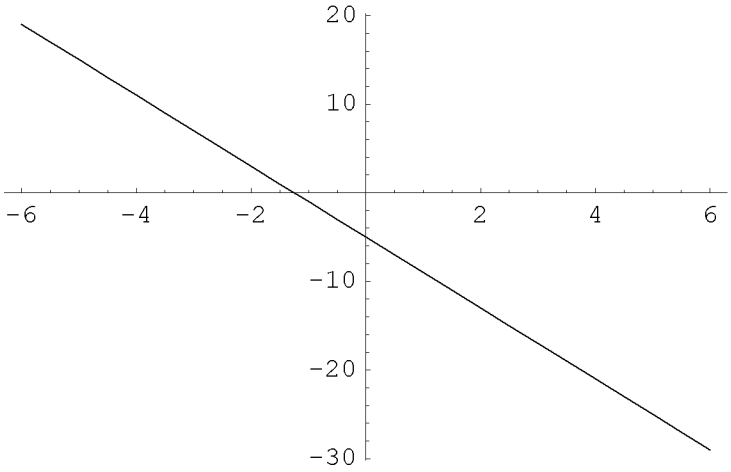
[3] Graph the function $y = 2x + 7$.

In[10]:=
```
Plot[2 x + 7, {x, a, b}];
```



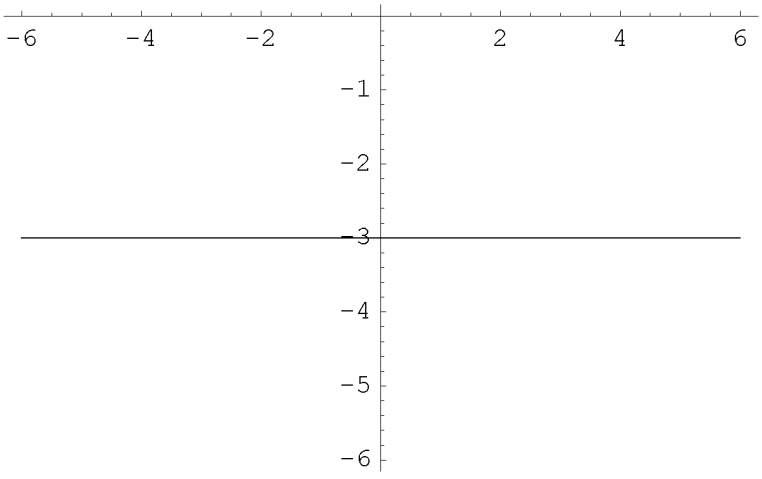
[4] Graph the function $y = -4x - 5$.

In[11]:=
```
Plot[-4 x - 5, {x, a, b}];
```



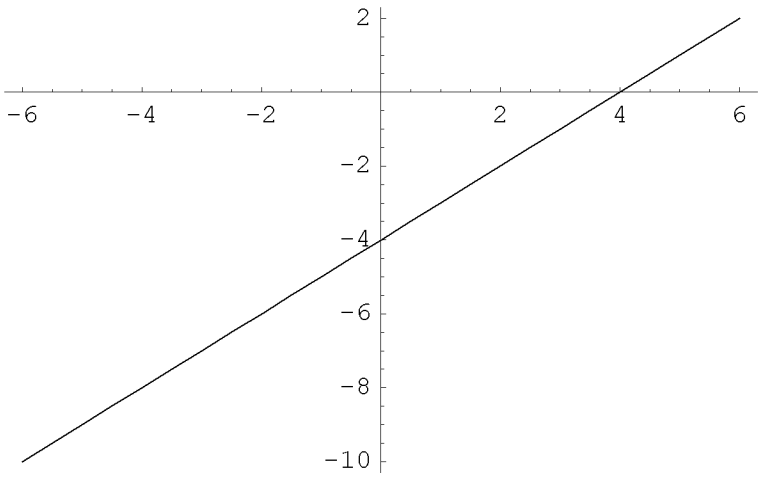
[5] Graph the function $y = -3$.

In[12]:=
```
Plot[-3, {x, a, b}];
```



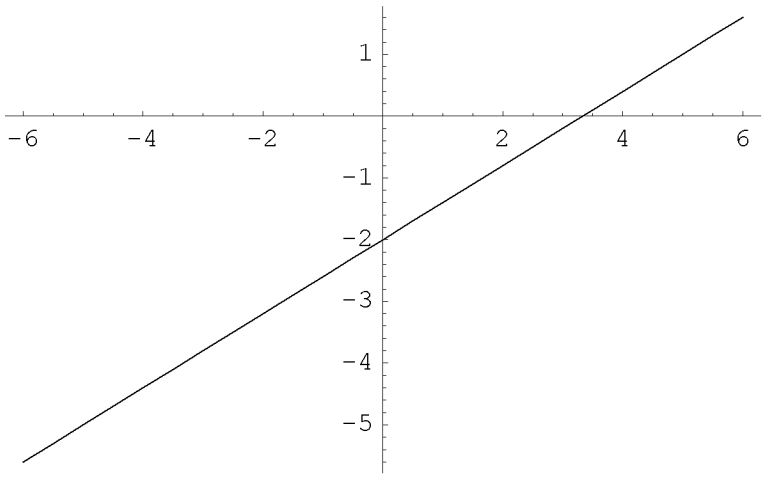
[6] Graph the function $y = x - 4$.

In[13]:=
```
Plot[x - 4, {x, a, b}];
```



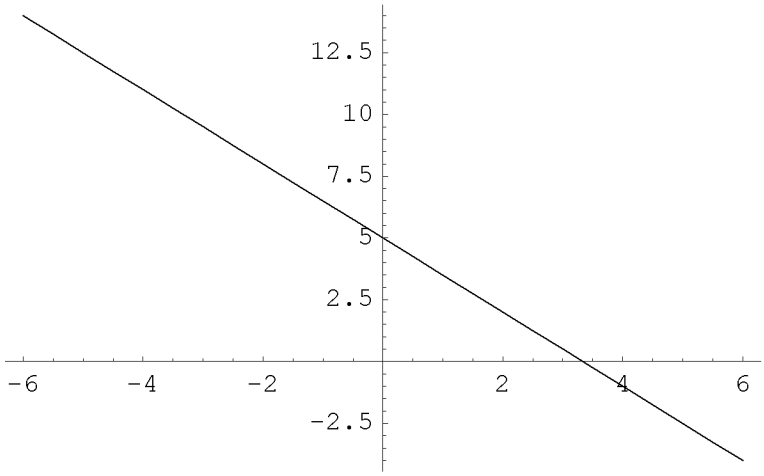
[7] Graph the function $y = \frac{3}{5}x - 2$.

In[14]:=
```
Plot[3/5 x - 2, {x, a, b}];
```



[8] Graph the function $y = \frac{-3}{2}x + 5$.

In[15]:=
```
Plot[-3/2 x + 5, {x, a, b}];
```


12.5
10
7.5
5
2.5
-2.5
-6
-4
-2
2
4
6