**Graph It!**

**1. Graph the following circles on one set of coordinate axes:**

**x2 + (y - 6)2 = 16   
(x - 9)2 + (y - 6)2 = 16   
(x + 9)2 + (y - 6)2 = 16   
(x + 4.5)2 + (y - .5)2 = 16   
(x - 4.5)2 + (y - .5)2 = 16**

##### 2. Graph the following on one set of coordinate axes:

**x2 + (y - 7)2 = 64         :     7 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif y  
(x + 6)2 + (y - 7)2 = 4         :     7 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif y  
(x + 2)2 + (y - 7)2 = 4         :     7 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif y  
(x - 6)2 + (y - 7)2 = 4         :     7 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif y  
(x - 2)2 + (y - 7)2 = 4         :     7 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif y**

**the point (0, -9)**

**y = -2x - 9         :     -8 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif x C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif 0  
y = -4x - 9         :     -4 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif x C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif 0  
x = 0         :     -9 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif y C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif 7  
y = 4x - 9         :     0 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif x C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif 4  
y = 2x - 9         :     0 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif x C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif 8**

##### 3. Graph the following on one set of coordinate axes:

**C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\graphit.gif   
y = .5 x2 + 4         :     -4 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif x C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif 4   
x = 3         :     -11 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif y C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif 8.5   
x = -3         :     -11 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif y C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif 8.5   
x2 + (y + 11)2 = 9         :     y C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif -11  
y = 2x + 8         :     3 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif x C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif 6  
y = 4x + 8         :     2 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif x C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif 3  
y = -2x + 8         :     -6 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif x C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif -3  
y = -4x + 8         :     -3 C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif x C:\Users\David Pleacher\pleacher domain\mp\mgifs\gifs2\lessequ.gif -2**