

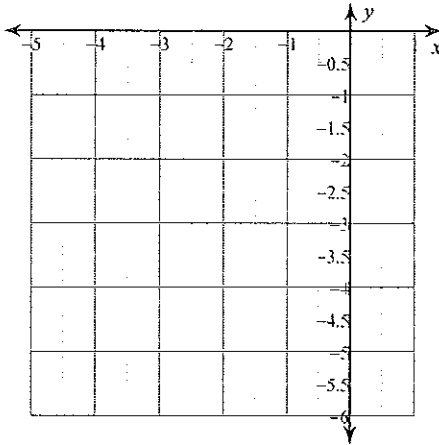
## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

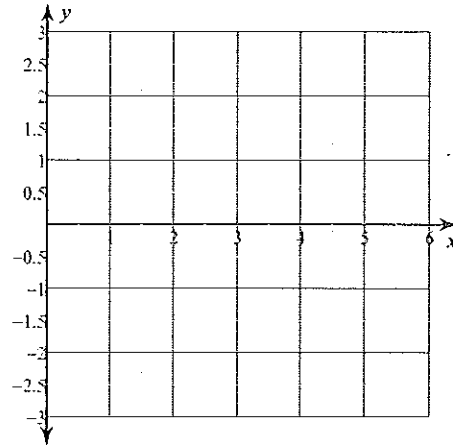
For each situation do the following:

- Identify the parent
- Describe the transformation
- Identify the locator point and it's significance
- Sketch the graph of each function.

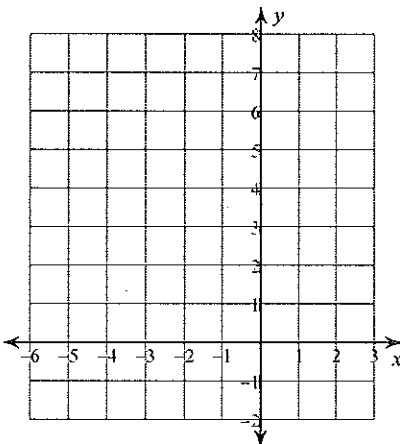
1)  $y = -(x + 2)^2 - 1$



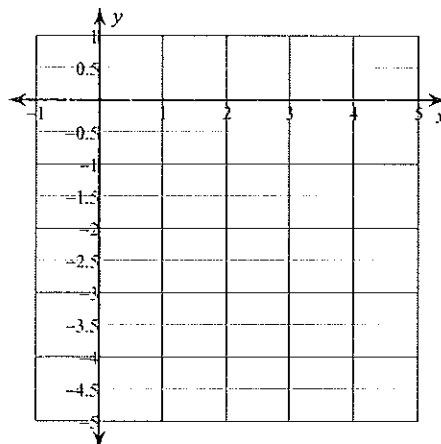
2)  $y = (x - 3)^2 - 2$



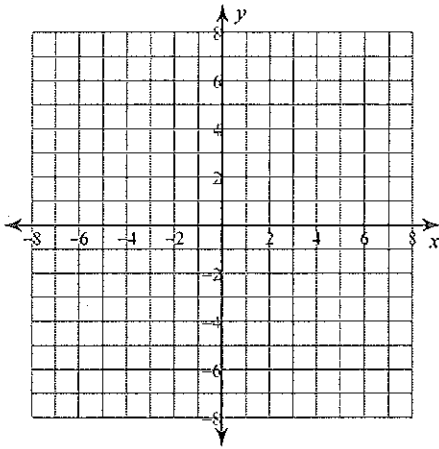
3)  $y = 2(x + 4)^2 - 1$



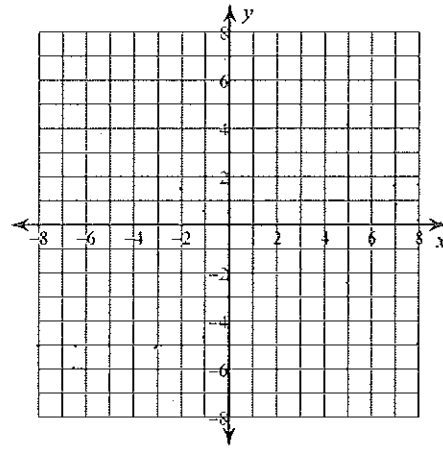
4)  $y = (x - 2)^2 - 4$



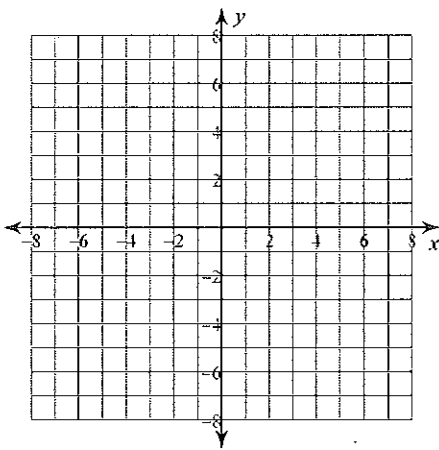
5)  $y = \sqrt{x+6} + 3$



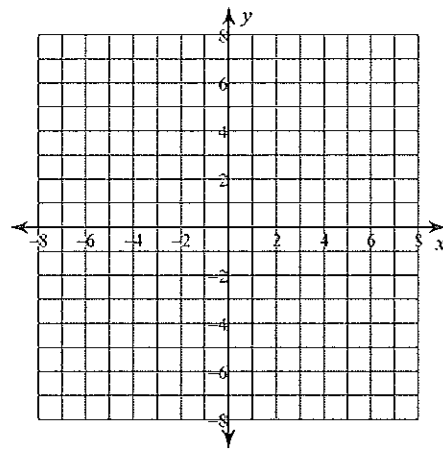
6)  $y = \sqrt{x-1} + 2$



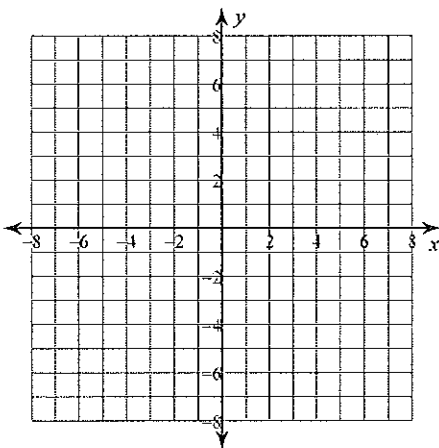
7)  $y = \sqrt{x+4} + 3$



8)  $y = \sqrt{x+1} + 3$



9)  $y = \sqrt[3]{x+3} - 1$



10)  $y = \sqrt[3]{x-2} - 3$

