

**Symmetry about the Y-axis** – if for any point  $(x, y)$  on a graph, the point  $(-x, y)$  is also on the graph, then the graph is said to be symmetric with respect to the  $Y$ -axis. Also, if the equation of the curve is unaltered when  $x$  is replaced by  $-x$  .i.e.  $f(x, y) = f(-x, y)$