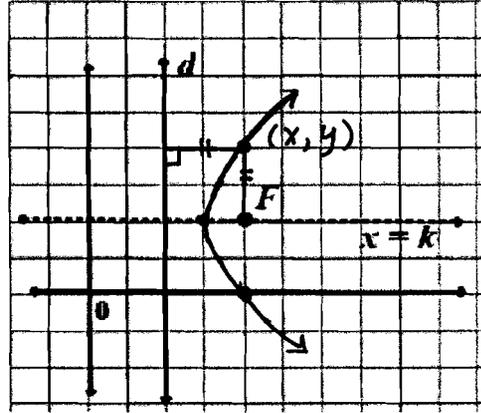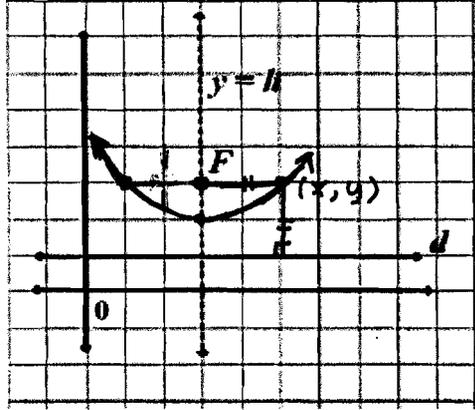**Definition of Parabola:** A *parabola* is the set of points in a plane equidistant from a fixed point (focus) and a fixed line (directrix).

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d = directrix
F = focus

Equation in vertex form		
Axis of symmetry		
Direction of opening		
$\mid c \mid$ = distance from vertex to directrix and distance from vertex to focus; $c = \dfrac{1}{4a}$		