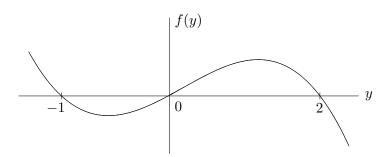
5. (10 points) Let f be the function whose graph is given on the figure below.



(a) On the **separate yellow sheet**, six field plots are displayed. Choose the one that corresponds to the differential equation $\frac{dy}{dx} = f(y)$.

ANSWER : ______.

(b) Find all the equilibrium solutions of the differential equation $\frac{dy}{dx} = f(y)$.

(c) Which of the equilibrium solutions you found in part (b) are stable? Explain the reason(s) for $your\ answer(s)$.

The plots shown on this page refer to Problem 5 on page 5.

