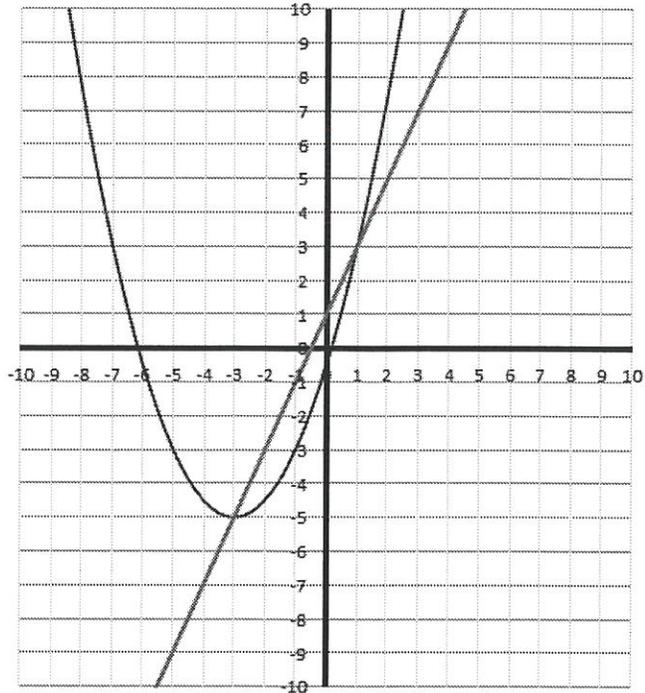## L30 – FQ – 8.1 Solving Systems of Equations Graphically – KEY

Q1: Solve the system of equations graphically.

$$f(x) = \frac{1}{2}(x + 3)^2 - 5$$

$$g(x) = 2x + 1$$

Solution at (1,3) and (-3,-5)

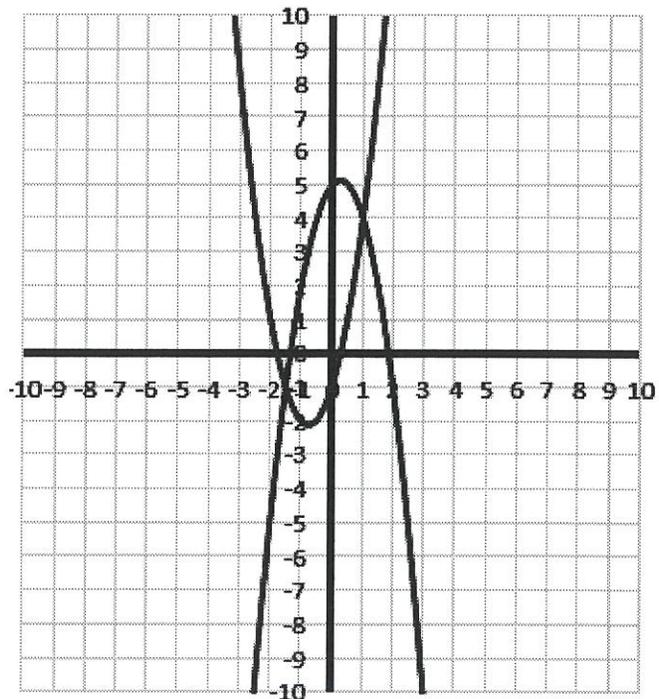**Q2:** Solve the system of equations graphically.

$$f(x) = -2x^2 + x + 5$$

$$g(x) = 2x^2 + 3x - 1$$

Solutions at (-1.5,-1) and (1,4)

MARKING:

Beginning	0.0 – 2.5
Progressing	3.0 – 4.0
Competent	4.5 – 5.5
Exemplary	6.0