Solving quadratics

Section A
Rearrange these equations and solve to find x:

1. $4 = x^2 + 5x + 10$

2. $1 = x^2 + 3x + 3$

3. $3x - 4 = -x^2 + 9x + 3$

4. $2x + 1 = x^2 + 3x - 11$

5. $5x - 2 = x^2 + 11x + 6$

6. $2 = x^2 + 6x + 11$

Section B
We want to solve the equation $x + 9 = x^2 + 7x + 2$.
How can we get this into the form $x^2 + 6x - 7$?
Use the graph $y = x^2 + 6x - 7$ to solve $x + 9 = x^2 + 7x + 2$.

Use the graph $y = x^2 + 15x + 54$ to solve the equation
$-6x + 10 = x^2 + 9x + 64$.

Use the graph $y = x^2 - 12x + 32$ to solve the equation
$x^2 + x + 32 = 13x$.

Use the graph $x = y^2 + 3y - 4$ to solve the equation
$-2y - 3 = y^2 + y - 7$.