Quadratic Formula

Use the discriminant to find the number and type of solution for each quadratic equation.

1)
$$f(x) = 3x^2 - 10x + 3$$

2)
$$g(x) = x^2 + 6x$$

3)
$$h(x) = x^2 - 2x + 9$$

Solve the following problems using the quadratic formula.

$$4) f(x) = 2x^2 - 7x - 8$$

$$5) r(x) = x^2 + x + 1$$

6)
$$f(x) = x^2 + 6x + 9$$

