Evaluating Quadratic Functions

A) Evaluate each function at the specified value.

1) $f(x) = (x + 2)^2 - 3x^2; x = -12$

2) $f(x) = -x^2; x = 6$

3) $f(x) = x^2 - 7x - 13; x = 0$

4) $f(x) = 3x^2 - 5x + 15; x = -5$

B) Evaluate each function.

1) If $f(x) = -2x^2 + 9$, what is $f(1)$?

2) If $f(x) = x^2 - 10x - 7$, what is $f(-2)$?

3) If $f(x) = -7(x + 3)^2 + 3x$, what is $f(-11)$?

4) If $f(x) = (8x + 1)(-x + 6)$, what is $f(3)$?

C) What is the value of $f(10)$ if $f(x) = x^2 - 9$?

i) 19 ii) 91 iii) 1 iv) 94