

ALGEBRA 2
PROBLEM SET #14

QUIZ DATE: THURSDAY, OCTOBER 26, 2023

Question 1. Factor the expressions

(1) $x^2 + 3x + 2$

(2) $x^2 + 9x + 20$

(3) $x^2 - 100$

(4) $-x^2 + 64$

(5) $x^2 - 4x - 60$

(6) $x^2 + 5x + 4$

(7) $x^2 - x - 6$

(8) $6x^2 + 9x$

(9) $x^2 + x - 90$

(10) $2x^2 + 11x + 12$

(11) $2x^2 - 7x + 6$

(12) $x^2 - 16$

(13) $x^4 - x^2$

(14) $2x^3 - 7x^2 + 6x$

Question 2. Find the equation of the quadratic $f(x) = ax^2 + bx + c$ from the graph below:

