

PreCalculus 11 Homework

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March 27, 2023

1. Finish the word problems left from the last homework
2. Convert the following quadratic functions to vertex form and find their maximum or minimum

(1) $y = x^2 + 9x - 2$

(2) $y = -x^2 - 5x - 5$

(3) $y = x^2 - 6x + 5$

(4) $y = 4x^2 - 10x - 1$

(5) $y = -5x^2 - 8$

(6) $y = -5x^2 + 3x + 5$

(7) $y = 3x^2 - 9$

(8) $y = -x^2 + 6x + 9$

(9) $y = 2x^2 - 6x - 1$

(10) $y = 5x^2 + 8x - 1$

(11) $y = x^2 - 5x + 8$

(12) $y = 3x^2 + 3x - 9$

(13) $y = 4x^2 + 7x + 11$

(14) $y = -2x^2 + 7x - 1$

(15) $y = -5x^2 - 4x - 13$

(16) $y = 2x^2 + 6x + 10$

(17) $y = -2x^2 - 1x + 4$

(18) $y = -5x^2 - 4x - 9$

(19) $y = 2x^2 + 6x + 10$

(20) $y = -2x^2 - 1x + 4$

(21) $y = -5x^2 + 6x + 1$

(22) $y = -x^2 + 2x - 3$

(23) $y = 3x^2 + 7x - 7$

(24) $y = -5x^2 - x + 7$

(25) $y = -3x^2 + 2x$