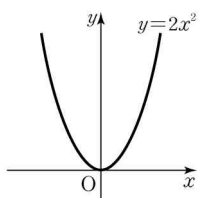
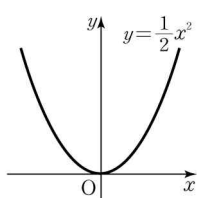


【1회】

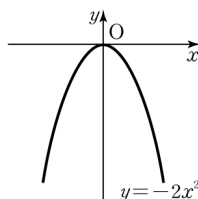
1. (1)



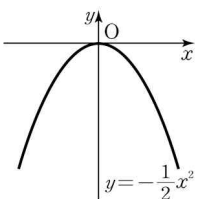
(2)



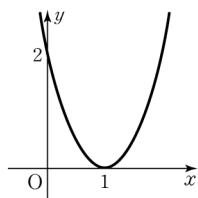
(3)



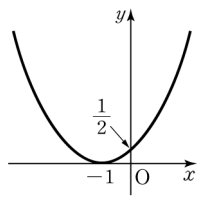
(4)



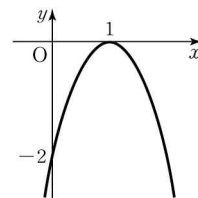
2. (1) (1, 0), $x = 1$



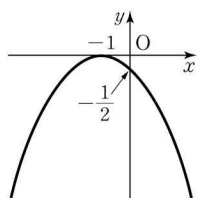
(2) (-1, 0), $x = -1$



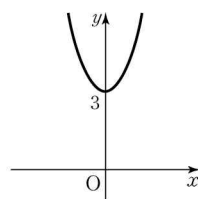
(3) (1, 0), $x = 1$



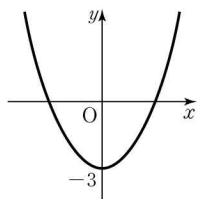
(4) (-1, 0), $x = -1$



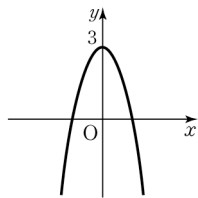
3. (1) (0, 3), $x = 0$



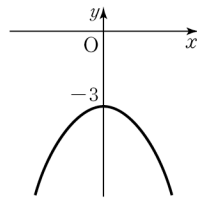
(2) (0, -3), $x = 0$



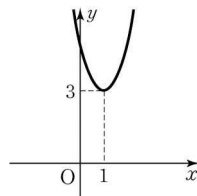
(3) (0, 3), $x = 0$



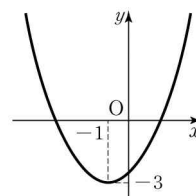
(4) (0, -3), $x = 0$



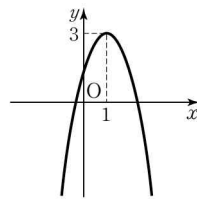
4. (1) (1, 3), $x = 1$



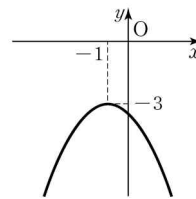
(2) (-1, -3), $x = -1$



(3) (1, 3), $x = 1$



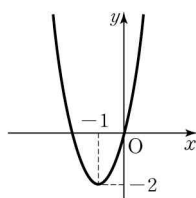
(4) (-1, -3), $x = -1$



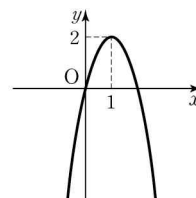
5. 3

6. 4

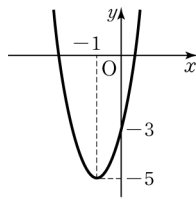
7. (-1, -2), $x = -1$



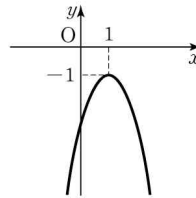
8. (1, 2), $x = 1$



9. (-1, -5), $x = -1$



10. (1, -1), $x = 1$



11. $y = x^2 + 3$

12. $y = x^2 - 4x + 4$

13. $y = (x + 2)^2 + 3$

14. $y = 2x^2 - 12x + 16$

15. $a = -2$, $b = 8$, $c = -7$

16. $y = 2x^2 - 4x - 6$

17. $y = -2x^2 + 2x + 40$

18. $y = -x^2 - x + 2$

19. $y = x^2 + 6x + 7$

20. (-1, 8)

【2회】

1. 아래로 볼록 : $y = 3x^2$, $y = \frac{1}{2}x^2$

위로 볼록 : $y = -x^2$, $y = -\frac{2}{5}x^2$

2. $y = 3x^2$

3. \neg , \perp , \sqsubset , \supseteq

4. \perp , \supseteq , \square

5. $y = \frac{1}{2}x^2$

6. (1) -2

(2) 2

7. (1) 4

(2) -3

8. $y = 3(x-4)^2 - 1$

9. $y = 2(x-2)^2 - 4$

10. $y = 4(x+3)^2 + 4$, $(-3, 4)$, $x = -3$

11. -2

12. ②

13. $-\frac{1}{2}$

14. 3

15. $-\frac{9}{4}$

16. -4

17. -1

18. $(-2, 0)$, $(4, 0)$

19. $A(0, 6)$, $B(1, 0)$, $C(2, -2)$, $D(3, 0)$

20. 3