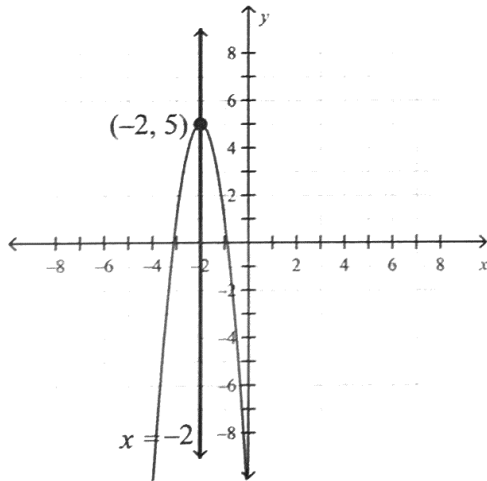


Algebra 2 - Ch. 1-3 Midterm Review Packet
Answer Section

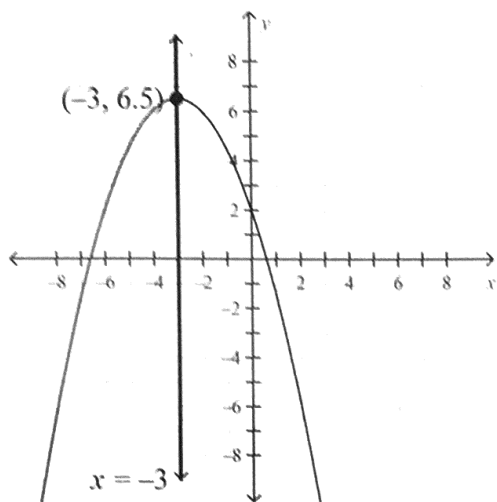
1. A
2. C
3. C
4. D
5. A
6. B
7. C
8. C
9. C
10. D
11. A
12. $g(x) = -2x + 2$
13. $g(x) = -|x - 4|$
14. $g(x) = |2x| - 3$
15. $g(x) = -3|x - 1| - 4$
16. Let x represent the number of seats in the lower section, let y represent the number of seats in the upper section, and z represent the number of field tickets.
 $y = 2 \bullet x$
 $x + y + z = 19,500$
 $85x + 50y + 35z = 802,500$
17. $(-3, 6, -2)$

18.



19. $y = \frac{1}{10}(x - 5)(x + 4)$

20.

21. $x = 9$ and $x = 3$

22. $x = \frac{3 \pm i\sqrt{23}}{8}$

23. $p = 0$ and $p = 5$

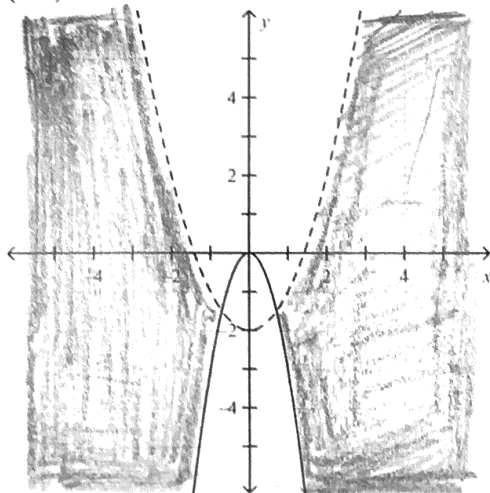
24. $x = -2 \pm i\sqrt{7}$

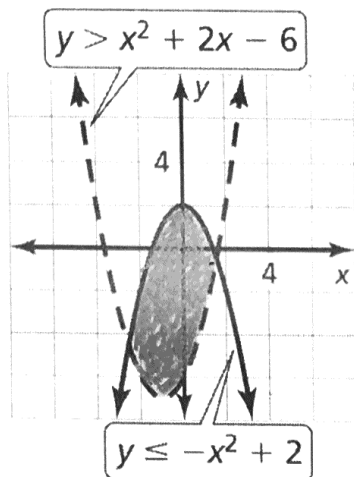
25. $6 + 11i$

26. $20 + 48i$

27. $(2, 9)$

28.





29.

30. $x < -8$ or $x > -3$