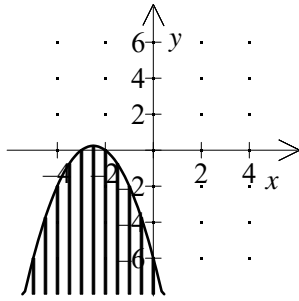


1. Which quadratic inequality is graphed below?



- [A] $y < x^2 + 5x - 6$ [B] $y > -x^2 - 5x + 6$
 [C] $y \geq -x^2 - 5x - 6$ [D] $y \leq -x^2 - 5x - 6$
 [E] $y \geq x^2 - 5x - 6$

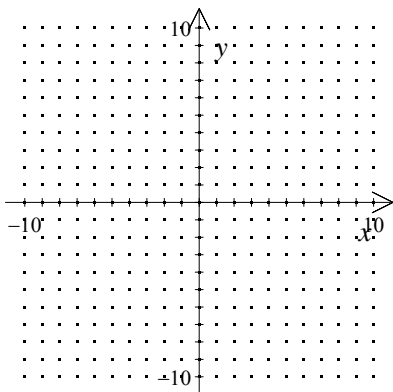
[1] _____

2. Solve the inequality and give the solution in set builder notation. $x^2 + x - 42 < 0$

- [A] $\{x \mid x < -7 \text{ or } x > 6\}$
 [B] $\{x \mid -7 < x < 6\}$
 [C] $\{x \mid x < -6 \text{ or } x > 7\}$
 [D] $\{x \mid -6 < x < 7\}$

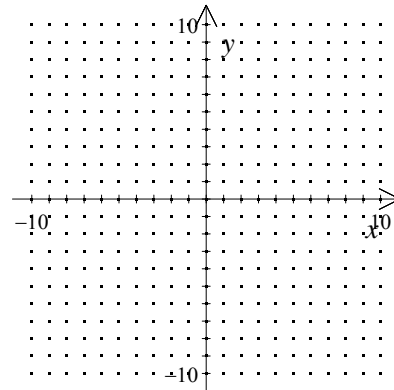
[2] _____

3. Graph: $y > x^2 - x - 6$



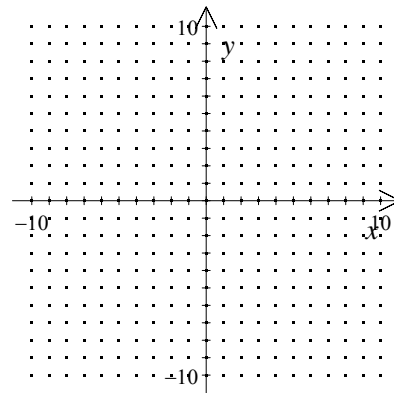
[3] _____

4. Graph: $y > x^2 - 1$



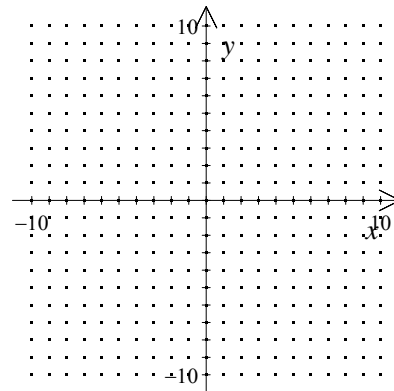
[4] _____

5. Graph: $y > x^2 - 2x - 3$



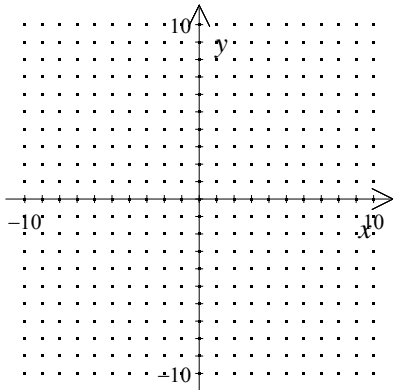
[5] _____

6. Graph: $y > -x^2 - 3x - 2$



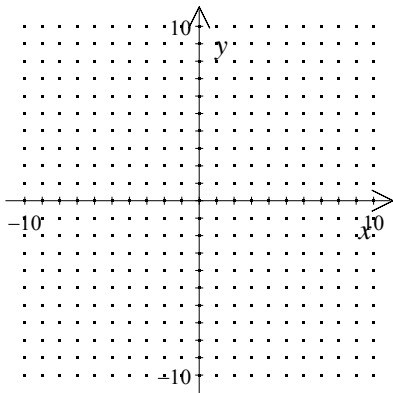
[6] _____

7. Graph: $y > -x^2 - 4x - 4$



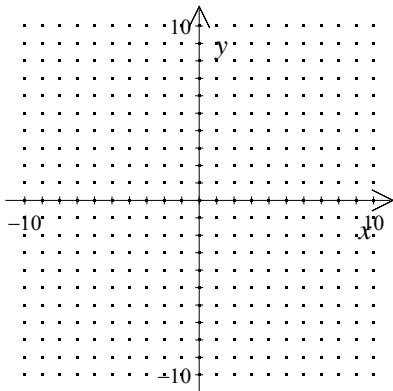
[7] _____

8. Graph: $y > x^2 + 2x + 1$



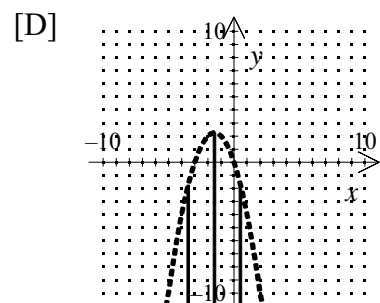
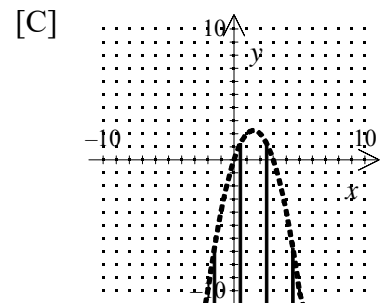
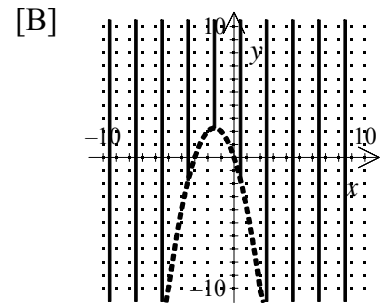
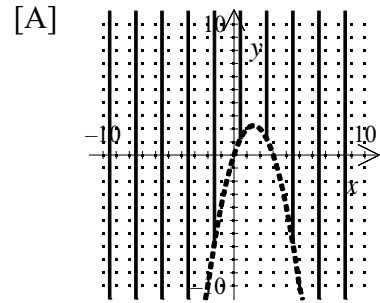
[8] _____

9. Graph: $y > x^2 + 4x + 3$



[9] _____

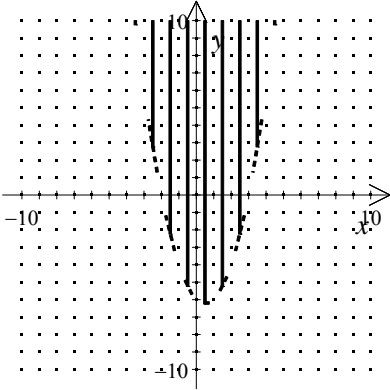
10. Graph: $y < -x^2 + 3x$



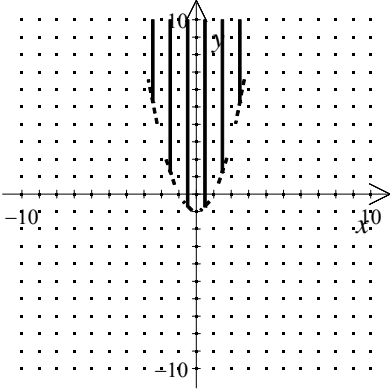
[10] _____

[1] D

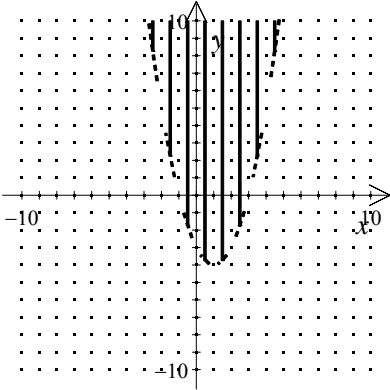
[2] B



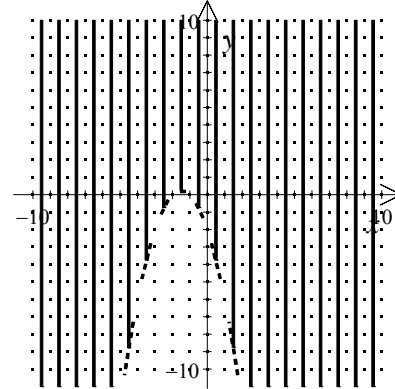
[3] _____



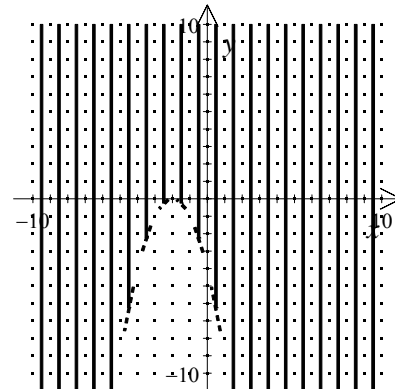
[4] _____



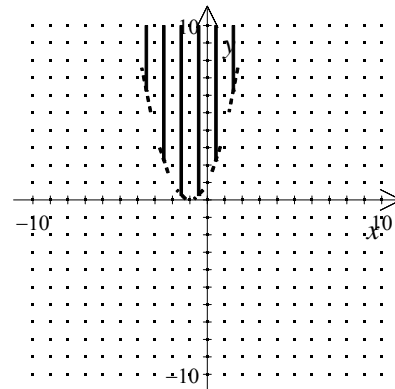
[5] _____



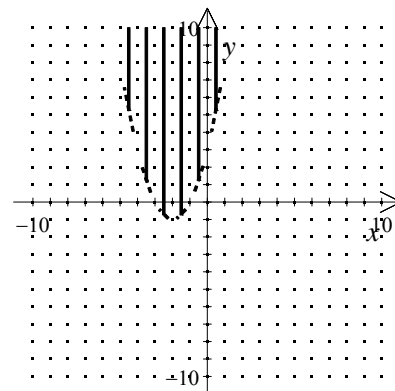
[6] _____



[7] _____



[8] _____



[9] _____

[10] C