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] $y \geq x^2 - 5x - 6$

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

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

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

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

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

6. Graph: $y > -x^2 - 3x - 2$
7. Graph: \( y > -x^2 - 4x - 4 \)

8. Graph: \( y > x^2 + 2x + 1 \)

9. Graph: \( y > x^2 + 4x + 3 \)

10. Graph: \( y < -x^2 + 3x \)
[10] C _____