Solve:

1. \( \frac{x^2}{4} + \frac{x}{4} = \frac{3}{2} \)
   - [A] \( \frac{1}{3}, -\frac{1}{2} \)
   - [B] \( 3, -2 \)
   - [C] \( -3, 2 \)
   - [D] \( -\frac{1}{3}, \frac{1}{2} \)

2. \( \frac{x^2}{4} - \frac{3x}{2} = -\frac{5}{4} \)
   - [A] \( 5, 1 \)
   - [B] \( \frac{1}{5}, 1 \)
   - [C] \( -5, -1 \)
   - [D] \( -\frac{1}{5}, -1 \)

3. \( \frac{x^2}{4} - \frac{x}{1} = \frac{5}{4} \)
   - [A] \( \frac{1}{5}, -1 \)
   - [B] \( -\frac{1}{5}, 1 \)
   - [C] \( -5, 1 \)
   - [D] \( 5, -1 \)

4. \( \frac{x^2}{2} - \frac{7x}{4} = -\frac{3}{2} \)

5. \( \frac{x^2}{2} + \frac{x}{4} = \frac{3}{2} \)

6. \( \frac{x^2}{4} - \frac{3x}{2} = -\frac{5}{4} \)

7. \( \frac{x^2}{4} - \frac{x}{2} = \frac{3}{4} \)

8. \( \frac{x^2}{4} - \frac{5x}{4} = -\frac{3}{2} \)

9. For which value of \( x \) is \( f(x) = -10 \) if \( f(x) = -4x^2 + 3x \)?
   - [A] \(-1\)
   - [B] \(4\)
   - [C] \(3\)
   - [D] \(-2\)
   - [E] \(2\)

10. A rock is thrown from the top of a tall building. The distance, in feet, between the rock and the ground \( t \) seconds after it is thrown is given by \( d = -16t^2 - 2t + 763 \). How long after the rock is thrown is it 430 feet from the ground?
   - [A] \( \frac{37}{8} \) sec
   - [B] \( \frac{11}{2} \) sec
   - [C] \( \frac{45}{8} \) sec
   - [D] \( \frac{9}{2} \) sec
[1] C____
[2] A____
[3] D____

[4] $\frac{3}{2}$, 2

[5] $\frac{3}{2}$, $-2$

[6] 5, 1

[7] 3, $-1$

[8] 3, 2

[9] E____

[10] D____