Exit Ticket: The Quadratic Formula and the Discriminant

Use the quadratic formula to solve the equation. If necessary, round to the nearest hundredth.

1 $x^2 + 3 = 4x$

2 $x^2 - 18 = -9x$

How many real-number solutions does the equation have?

3 $-10x^2 - 4x + 2 = 0$
   Ⓐ one solution   Ⓒ no solutions
   Ⓑ two solutions   Ⓓ infinitely many solutions

4 $8x^2 + 8x + 2 = 0$
   Ⓐ one solution   Ⓒ no solutions
   Ⓑ two solutions   Ⓓ infinitely many solutions

5 $5x^2 + 10x + 8 = 0$
   Ⓐ one solution   Ⓒ no solutions
   Ⓑ two solutions   Ⓓ infinitely many solutions

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Answer Section

1 3, 1
2 −10.68, 1.68
3 B
4 A
5 C