Algebra I Practice A.REI.B.4: Solving Quadratics 9 www.jmap.org

- 1. Solve using the quadratic formula. Round solutions to the nearest hundredth.
  - $4x^{2}+6x-6 = 0$ [A] 0.69, -2.19 [B] 3.62, -2.12 [C] 2.19, -0.69 [D] 2.12, -3.62
- 2. Solve using the quadratic formula. Round solutions to the nearest hundredth.

$3x^2 - 4x - 6 = 0$	
[A] 2.46, -3.79	[B] 3.79, -2.46
[C] 2.23, -0.90	[D] 0.90, -2.23

3. Solve using the quadratic formula. Round solutions to the nearest hundredth.

 $4x^2 + 4x - 5 = 0$ 

[A] 0.72, -1.72	[B] 1.72, -0.72
[C] 2.95, –1.95	[D] 1.95, –2.95

4. Solve using the quadratic formula. Round solutions to the nearest hundredth.  $4r^2 + 2r - 3 = 0$ 

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[A] 1.15, -0.65	[B] 0.65, -1.15
[C] 1.55, –2.05	[D] 2.05, -1.55

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5. Solve using the quadratic formula. Round solutions to the nearest hundredth.  $2x^2 + 6x - 2 = 0$ 

[A] 2.11, -5.11	[B] 3.30, –0.30
[C] 5.11, -2.11	[D] 0.30, -3.30

- 6. Solve using the quadratic formula. Round solutions to the nearest hundredth.  $x^2 - 8x + 1 = 0$
- 7. Solve using the quadratic formula. Round solutions to the nearest hundredth.  $3x^2 - 6x + 2 = 0$
- 8. Solve using the quadratic formula. Round solutions to the nearest hundredth.  $x^2 + 8x + 4 = 0$
- 9. Solve using the quadratic formula. Round solutions to the nearest hundredth.  $2x^2 - 4x + 1 = 0$
- 10. Solve using the quadratic formula. Round solutions to the nearest hundredth.  $x^2 - 4x + 2 = 0$

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- [1] <u>A</u>
- [2] <u>C</u>
- [3] <u>A</u>
- [4] B
- [5] D
- [6] 7.87, 0.13
- [7] 1.58, 0.42
- [8] -0.54, -7.46
- [9] 1.71, 0.29
- [10] 3.41, 0.59