NAME:_____

P.I. A2.A.25: Solve quadratic equations, using the quadratic formula

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.
$4x^2 + 2x - 3 = 0$
[A] 1.15, –0.65 [B] 0.65, –1.15
[C] 1.55, –2.05 [D] 2.05, –1.55

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

[1] A

[2] C

[3] A

[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