

NAME: _____

CLASS: _____

DATE: _____

1. $2m^2 + 3m - 9 = 0$

☐ A $\{0.679, -3.679\}$

☐ B $\left\{\frac{3}{2}, -3\right\}$

☐ C $\{2, -5\}$

☐ D $\{1, -4\}$

2. $2x^2 + 3x - 20 = 0$

☐ A $\{2.823, 0.177\}$

☐ B $\left\{\frac{5}{2}, -4\right\}$

☐ C $\{2, 1\}$

☐ D $\{-1, -2\}$

3. $5n^2 = 30 + 5n$

☐ A $\left\{\frac{3 + \sqrt{139}}{10}, \frac{3 - \sqrt{139}}{10}\right\}$

☐ B $\{3, -2\}$

☐ C $\left\{\frac{3}{2}, -\frac{1}{2}\right\}$

☐ D $\left\{\frac{3 + 11i}{10}, \frac{3 - 11i}{10}\right\}$

4. $m^2 = -10m + 15$

☐ A $\{-5 + \sqrt{10}, -5 - \sqrt{10}\}$

☐ B $\left\{\frac{-10 + \sqrt{115}}{2}, \frac{-10 - \sqrt{115}}{2}\right\}$

☐ C $\{5 + 2\sqrt{10}, 5 - 2\sqrt{10}\}$

☐ D $\{-5 + 2\sqrt{10}, -5 - 2\sqrt{10}\}$

5. $4b^2 = 4$

☐ A $\{i, -i\}$

☐ B $\{4 + 2\sqrt{6}, 4 - 2\sqrt{6}\}$

☐ C $\left\{\frac{4 + 2\sqrt{22}}{9}, \frac{4 - 2\sqrt{22}}{9}\right\}$

☐ D $\{1, -1\}$