

Unit 4.5 Quadratic Equations with Complex numbers Practice

Solve each equation with the quadratic formula.

1) $6r^2 + 10 = 0$

2) $6m^2 - 7m + 10 = 0$

3) $12x^2 + 11 = 0$

4) $7v^2 - 3v + 2 = 0$

5) $4a^2 - 7 = -8$

6) $-4x^2 + 2x - 13 = -3$

7) $5a^2 + 11 = 8a$

8) $-4p^2 + 115 = 3p$

9) $5a^2 + a = -7$

10) $-11r^2 - 7 + 11r = 11r - 5r^2$

$$11) -8n^2 - 2 = 0$$

$$12) 8r^2 + 8r + 8 = 0$$

$$13) 7p^2 - 7p + 4 = 0$$

$$14) 3n^2 - 10n + 10 = 0$$

$$15) -11x^2 - 4x - 1 = 9$$

$$16) -11n^2 - 3n + 6 = 8$$

$$17) 5n^2 - 8n = -12$$

$$18) 7p^2 = -7$$

$$19) 7n^2 = -12 - 8n$$

$$20) 15x^2 - 8x + 9 = -3 + 7x^2$$