Solve Quadratic Equation

Solve each equation with the quadratic formula (complex solutions).

$3g^2 + 2g + 6 = 0$

$5r^2 + 2r + 7 = 0$

$4x^2 - 6x + 7 = 0$

$-4h^2 + 5h = 7$

$-7b^2 - 6b - 9 = 0$

$7g^2 - 3g + 4 = 0$

$3n^2 + 8n = -8$

$-6n^2 + 4n - 7 = 0$

Solve Quadratic Equation

Solve each equation with the quadratic formula (complex solutions).

$3g^2 + 2g + 6 = 0$

$g = \left\{ \dfrac{-1 \pm \sqrt{17}i}{3} \right\}$

$5r^2 + 2r + 7 = 0$

$r = \left\{ \dfrac{-1 \pm \sqrt{34}i}{5} \right\}$

$4x^2 - 6x + 7 = 0$

$x = \left\{ \dfrac{3 \pm \sqrt{19}i}{4} \right\}$

$-4h^2 + 5h = 7$

$h = \left\{ -\dfrac{5 \pm \sqrt{87}i}{8} \right\}$

$-7b^2 - 6b - 9 = 0$

$b = \left\{ -\dfrac{3 \pm 9\sqrt{3}i}{14} \right\}$

$7g^2 - 3g + 4 = 0$

$g = \left\{ \dfrac{3 \pm \sqrt{103}i}{14} \right\}$

$3n^2 + 8n = -8$

$n = \left\{ \dfrac{-4 \pm 2\sqrt{2}i}{3} \right\}$

$-6n^2 + 4n - 7 = 0$

$n = \left\{ -\dfrac{-2 \pm \sqrt{38}i}{6} \right\}$