

Resolver Cuadráticas (G)

Resuelva cada ecuación en función de x.

$$1. \quad 6x^2 - 38x + 4 = -8$$

$$7. \quad 14x^2 - 21x - 14 = 21$$

$$2. \quad 6x^2 - 14x + 3 = -1$$

$$8. \quad 63x^2 - 56x - 2 = 5$$

$$3. \quad 8x^2 + 28x - 3 = 13$$

$$9. \quad 24x^2 - 79x + 39 = -1$$

$$4. \quad 49x^2 - 21x - 17 = 1$$

$$10. \quad 7x^2 + 34x + 10 = -14$$

$$5. \quad 72x^2 + 18x - 8 = 46$$

$$11. \quad 6x^2 + 14x - 4 = 8$$

$$6. \quad 54x^2 + 48x + 7 = -3$$

$$12. \quad 2x^2 + 7x - 1 = 3$$

Resolver Cuadráticas (G) Respuestas

Resuelva cada ecuación en función de x.

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| 1. $6x^2 - 38x + 4 = -8$
$6x^2 - 38x + 12 = 0$
$(6x - 2)(x - 6) = 0$
$x = 1/3, 6$ | 7. $14x^2 - 21x - 14 = 21$
$14x^2 - 21x - 35 = 0$
$(2x - 5)(7x + 7) = 0$
$x = 2 1/2, -1$ |
| 2. $6x^2 - 14x + 3 = -1$
$6x^2 - 14x + 4 = 0$
$(2x - 4)(3x - 1) = 0$
$x = 2, 1/3$ | 8. $63x^2 - 56x - 2 = 5$
$63x^2 - 56x - 7 = 0$
$(9x + 1)(7x - 7) = 0$
$x = -1/9, 1$ |
| 3. $8x^2 + 28x - 3 = 13$
$8x^2 + 28x - 16 = 0$
$(4x - 2)(2x + 8) = 0$
$x = 1/2, -4$ | 9. $24x^2 - 79x + 39 = -1$
$24x^2 - 79x + 40 = 0$
$(8x - 5)(3x - 8) = 0$
$x = 5/8, 2 2/3$ |
| 4. $49x^2 - 21x - 17 = 1$
$49x^2 - 21x - 18 = 0$
$(7x + 3)(7x - 6) = 0$
$x = -3/7, 6/7$ | 10. $7x^2 + 34x + 10 = -14$
$7x^2 + 34x + 24 = 0$
$(x + 4)(7x + 6) = 0$
$x = -4, -6/7$ |
| 5. $72x^2 + 18x - 8 = 46$
$72x^2 + 18x - 54 = 0$
$(8x - 6)(9x + 9) = 0$
$x = 3/4, -1$ | 11. $6x^2 + 14x - 4 = 8$
$6x^2 + 14x - 12 = 0$
$(6x - 4)(x + 3) = 0$
$x = 2/3, -3$ |
| 6. $54x^2 + 48x + 7 = -3$
$54x^2 + 48x + 10 = 0$
$(6x + 2)(9x + 5) = 0$
$x = -1/3, -5/9$ | 12. $2x^2 + 7x - 1 = 3$
$2x^2 + 7x - 4 = 0$
$(2x - 1)(x + 4) = 0$
$x = 1/2, -4$ |