Resolver Cuadráticas (H)

Resuelva cada ecuación en función de x.

1. $-4x^2 + 26x - 16 = 26$

2. $2x^2 - 9x - 2 = 33$

3. $4x^2 + 6x - 20 = 20$

4. $x^2 + 12x + 15 = -17$

5. $4x^2 - 8x - 28 = 17$

6. $-x^2 + x + 7 = -5$

7. $-x^2 - 4x + 30 = -2$

8. $-4x^2 - 14x - 2 = 4$

9. $-x^2 + 14x - 38 = 7$

10. $-x^2 + 17x - 43 = 29$

11. $2x^2 + 16x + 14 = -10$

12. $-x^2 - 4x + 11 = -21$

Resolver Cuadráticas (H) Respuestas

Resuelva cada ecuación en función de x.

1. $-4x^2 + 26x - 16 = 26$
$-4x^2 + 26x - 42 = 0$
$-(2x - 6)(2x - 7) = 0$
$x = 3 \ , \ 3\ 1/2$

2. $2x^2 - 9x - 2 = 33$
$2x^2 - 9x - 35 = 0$
$(2x + 5)(x - 7) = 0$
$x = -2\ 1/2, \ 7$

3. $4x^2 + 6x - 20 = 20$
$4x^2 + 6x - 40 = 0$
$(2x - 5)(2x + 8) = 0$
$x = 2\ 1/2, \ -4$

4. $x^2 + 12x + 15 = -17$
$x^2 + 12x + 32 = 0$
$(x + 4)(x + 8) = 0$
$x = -4 \ , \ -8$

5. $4x^2 - 8x - 28 = 17$
$4x^2 - 8x - 45 = 0$
$(2x - 9)(2x + 5) = 0$
$x = 4\ 1/2, \ -2\ 1/2$

6. $-x^2 + x + 7 = -5$
$-x^2 + x + 12 = 0$
$(x + 3)(x - 4) = 0$
$x = -3 \ , \ 4$

7. $-x^2 - 4x + 30 = -2$
$-x^2 - 4x + 32 = 0$
$-(x - 4)(x + 8) = 0$
$x = 4 \ , \ -8$

8. $-4x^2 - 14x - 2 = 4$
$-4x^2 - 14x - 6 = 0$
$-(2x + 6)(2x + 1) = 0$
$x = -3 \ , \ -\ 1/2$

9. $-x^2 + 14x - 38 = 7$
$-x^2 + 14x - 45 = 0$
$-(x - 9)(x - 5) = 0$
$x = 9 \ , \ 5$

10. $-x^2 + 17x - 43 = 29$
$-x^2 + 17x - 72 = 0$
$-(x - 8)(x - 9) = 0$
$x = 8 \ , \ 9$

11. $2x^2 + 16x + 14 = -10$
$2x^2 + 16x + 24 = 0$
$(x + 6)(2x + 4) = 0$
$x = -6 \ , \ -2$

12. $-x^2 - 4x + 11 = -21$
$-x^2 - 4x + 32 = 0$
$-(x + 8)(x - 4) = 0$
$x = -8 \ , \ 4$