1. **Inecuaciones Lineales**

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| --- | --- |
| a) ( x - 2 )2 > (x + 2)⋅ ( x - 2) + 8  |  |
| b) ( x - 1 )2 < x ( x - 4) + 8 |  |
| c) 3 - ( x - 6) ≤ 4x - 5 |  |
| 1. 3x - 5 - x - 6 < 1

 4 12 |  |
| e) 1 - x - 5 < 9 + x 9 |  |
| f) x + 6 - x + 6 ≤ x .  3 15 |  |

1. **Inecuaciones cuadráticas**

|  |  |
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| a) x2 ≥ 16 |  |
| b) 9x2 < 25 |  |
| c) 36 > ( x - 1) 2 |  |
| d) (x + 5)2 ≤ ( x + 4 ) 2 + ( x - 3 )2 |  |
| e) x ( x - 2 ) < 2 ( x + 6) |  |
| f) x2 - 3x > 3x - 9  |  |
| g) 4 ( x - 1) > x2 + 9  |  |
| h) 2x2 + 25 ≤ x ( x + 10 ) |  |
| i) 1 - 2x ≤ (x + 5)2 - 2(x + 1) |  |
| j) 3 > x ( 2x + 1) |  |
| k) x ( x + 1) ≥ 15(1 - x2 ) |  |
| l) ( x - 2 ) 2 > 0 |  |
| m) ( x - 2)2 ≥ 0 |  |
| n) ( x - 2)2 < 0 |  |
| o) ( x - 2)2 ≤ 0 |  |

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