**Solving Quadratic Inequalities**

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| **Original inequality** | **Solution of quadratic equation** | **Graph showing inequality region** | **Solution of inequality** |
| (x – 5)(x + 3) ≥ 0 |  |  |  |
| (x – 3)(x – 5) < 0 |  |  |  |
| (x + 4)(x – 7) > 0 |  |  |  |
| x² + 10x + 21 ≥ 0 |  |  |  |
| x² + 6x + 5 > 0 |  |  |  |
| x² - 3x + 2 < 0 |  |  |  |

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| **Original inequality** | **Solution of quadratic equation** | **Graph showing inequality region** | **Solution of inequality** |
| x² + 7x + 12 ≥ 0 |  |  |  |
| x² - 12x + 35 ≤ 0 |  |  |  |
| x² + x – 6 ≤ 0 |  |  |  |
| x² ≥ 4x + 21 |  |  |  |
| 5x² - 11x + 2 ≤ 0 |  |  |  |
| 18 + 3x - x² > 0 |  |  |  |