**Quadratic equations and inequalities**

Solve the following equations and inequalities.   
  
*Convert each inequality so that the right side is zero (unless this is not needed).   
Then sketch an appropriate parabola from which the solution set can be read*.

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| --- | --- | --- | --- |
| Example | Equation and inequality | Sketch | Answer |
| 1a |  |  |  |
| 1b |  |  |
| 2a |  |  |  |
| 2b |  |  |
| 3a |  |  |  |
| 3b |  |  |
| 4a |  |  |  |
| 4b |  |  |
| 5a |  |  |  |
| 5b |  |  |
| 6a |  |  |  |
| 6b |  |  |