

3.2.1 Assignment

For each of the following inequalities find the solutions and graph the solutions on the number line. You can solve the inequalities by graphing or algebraically.

1. $y^2 - 17y + 70 < 0$



2. $2x^2 \leq 5x - 2$



3. $x^2 + 9x + 13 > -7$



4. $x(x + 1) > 112 - 5x$



5. $a^2 + 3a + 2 < -3(a + 2)$



6. $b(b+3) \geq -2$



7. $a^2 \leq 4(2a-3)$



8. $y^2 - 17y + 70 < 0$



9. $a^2 + 25 < 10a$



10. $x^2 - x - 2 > 0$

