**Express the inequality as an interval, and sketch its graph.**

1. x < -2 2. x > -3 3. 3 ≤ x ≤ 7 4. -3 ≥ x > -5

**Express the interval as an inequality in the variable x.**

5. (-5, 8] 6. [-4, -1] 7. (-3, ∞) 8. (-∞, -5)

**Solve the inequality, and express the solutions in terms of intervals whenever possible.**

9. 3x – 2 > 14 10. 3 – 5x < 11 11. 9 + ≥ 4 -

12. 4 ≥ 3x + 5 > -1 13. 3 ≤ < 7 14. -2 < 3 + ≤ 5

15. (2x – 3)(4x + 5) ≤ (8x + 1)(x – 7) 16. 2x(6x + 5) < (3x – 2)(4x + 1)