Example from:
Module 9: The Conic Sections
Unit 3- Ellipses

Graph $(y-1)^2 = 7\left(1 - \frac{(x-2)^2}{3}\right)$

Example from:
Module 1: Linear Equations and Inequalities
Unit 3- Sets, Interval Notation, and Linear Inequalities

Solve, and graph the solution.
Express your solution in set-builder and interval notation:

$$5(1-2x)-4(x-3)\leq 19-10x$$

Example from:
Module 1: Linear Equations and Inequalities
Unit 4- Compound Linear Inequalities

Solve and graph the following. Express the solution in set-builder and interval notation:

$$9 - 3x < 3x + 1 \quad \text{or} \quad 6x + 1 > 7x + 1$$

Example from:
Module 7: Quadratic Equations and Inequalities
Unit 3- Graphing Quadratic Functions

Graph $H(x) = -4x(x+4)+52$