Algebraic Solution of an L.P problem

For the following L.P problem

Maximum $z = 2x_1 + 3x_2$

Subject to:

$$x_1 + 3x_2 \leq 6$$
$$3x_1 + 2x_2 \leq 6$$
$$x_1, x_2 \geq 0$$

(a) Express the problem in equation form.
(b) Determine the basic solutions of the problem and classify them as feasible and infeasible.
(c) Determine the optimum basic feasible solution.
(d) Verify it graphically.
(e) Show the infeasible solution graphically.