Transformation of LPs to Standard Form

Transform the following LPs to LPs in standard form.

1.

minimize
$$x_1 - 12x_2 - 2x_3$$

subject to $5x_1 - x_2 - 2x_3 = 10$
 $2x_1 + x_2 - 20x_3 \ge -30$
 $x_2 \le 0$, $1 \le x_3 \le 4$

2.

maximize
$$3x - 12y + 4z$$

subject to $5x - 10z = 10$
 $2x - y - 17z \ge -10$
 $x + y + z \le 10$
 $y \le 0, 1 \le z$

3.

4.

maximize
$$3x_1 - 5x_2$$

subject to $4x_1 + 5x_2 \ge 3$
 $6x_1 - 6x_2 = 7$
 $x_1 + 8x_2 \le 20$
 $0 \le x_1, x_2$

5.

minimize
$$-8x_1 + 9x_2 + 2x_3 - 6x_4 - 5x_5$$

subject to $6x_1 + 6x_2 - 10x_3 + 2x_4 - 8x_5 \ge 3$
 $0 \le x_1, x_2, x_3, x_4, x_5$