REPÀS TEMA 7- EQUACIONS DE PRIMER I SEGON GRAU

1- Resol les equacions següents:

a. $2x - 7 = 3x + 4$

b. $5x - 2 = 3(x + 1)$

c. $4(x + 1) + 2(x + 5) = 8$

d. $3 - 2(x - 1) = 5x$

e. $2 - 4x = 5 - (x + 7)$

f. $4 + 9(x - 2) = 3 - 2x$

g. $3x + 10 = 5x + 6$

h. $17x - 4 = 19 - 6x$

i. $3(x - 3) - 2(x - 5) = 4$

j. $8(x - 4) + 2(x + 6) = 90$

k. $3(x - 1) = x - 5(x + 2)$

l. $\frac{x-1}{3} - 2(x - 2) = x + 1$

m. $\frac{x-2}{3} - \frac{x+3}{6} = 2(x - 6) + 4$

n. $\frac{5x}{3} - 4(6 - x) = \frac{2x-3}{5} - \frac{7}{3}$

o. $3(x - 6) - 4(x - 8) = 28$

p. $\frac{x-3}{2} + \frac{x-3}{4} = 2x - 11$

q. $\frac{3(x-8)}{5} + \frac{x-4}{3} = \frac{2x-7}{15}$

r. $\frac{x}{5} - \frac{2}{3} = \frac{7}{2}$

s. $\frac{1}{2} - x = \frac{3x}{4} - 2$

t. $\frac{2(x-6)}{3} = \frac{5-x}{2}$

u. $\frac{2-6x}{3} - \frac{x}{5} = 1$

2- Resol les equacions següents:

a) $x^2 - 3x - 4 = 0$

b) $x^2 + 6x + 9 = 0$

c) $x^2 - 3x + 3 = 0$

d) $5x^2 + 6x + 2 = 0$

e) $x^2 - 81 = 0$

f) $2x^2 - 16x = 0$

g) $4x^2 - 36 = 0$

h) $3x^2 - 18x = 0$

i) $6x^2 - 5x - 5 = x^2 + x + 4$

j) $2x^2 + x^2 = 7x$