Quadratic equation

Q1. Solve the following equations.

a $3x^2 + 8x - 3 = 0$

x=_____ or _____

b $6x^2 - 5x - 4 = 0$

x=_____ or _____

c $5x^2 - 9x - 2 = 0$

x=_____ or _____

d $4t^2 - 4t - 35 = 0$

t=_____ or _____

e $4m^2 + 9m = 0$

m=_____ or _____

f $25m^2 - 49 = 0$

m=_____ or _____

Q2. Rearrange into the general form then solve the following equations.

a $x^2 + 10x = -24$

x=_____ or _____

b $x^2 - 18x = -32$

x=_____ or _____

c $(p + 1)(p - 2) = 40$

p=_____ or _____

d $13p^2 = 11 - 2p$

p=_____ or _____

e $t^2 + 7t = 30$

t=_____ or _____

f $t^2 - 7t + 4 = 48$

t=_____ or _____

g $t^2 = 17t - 72$

t=_____ or _____

h $t^2 - t + 1 = 73$

t=_____ or _____

i $8p - 16 - p^2 = 0$

p=_____ or _____

j $(2n + 1)(5n + 2) = (2n - 2)(n - 2)$

n=_____ or _____

k $6x^2 + 30 = 5 - 3x^2 - 30x$

x=_____ or _____

l $4x^2 + 4x - 49 = 4x$

x=_____ or _____