

Questions - Solving Quadratic Equations by Factorisation

1 Solve

a $6x^2 + 4x = 0$

b $28x^2 - 21x = 0$

c $x^2 + 7x + 10 = 0$

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

e $x^2 - 3x - 4 = 0$

f $x^2 + 3x - 10 = 0$

g $x^2 - 10x + 24 = 0$

h $x^2 - 36 = 0$

i $x^2 + 3x - 28 = 0$

j $x^2 - 6x + 9 = 0$

k $2x^2 - 7x - 4 = 0$

l $3x^2 - 13x - 10 = 0$

2 Solve

a $x^2 - 3x = 10$

b $x^2 - 3 = 2x$

c $x^2 + 5x = 24$

d $x^2 - 42 = x$

e $x(x + 2) = 2x + 25$

f $x^2 - 30 = 3x - 2$

g $x(3x + 1) = x^2 + 15$

h $3x(x - 1) = 2(x + 1)$