

Name: _____



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Factorise and solve the following equations:

a) $x^2 + 3x + 2 = 0$

i) $x^2 + 5x - 24 = 0$

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

j) $x^2 - 4x - 21 = 0$

c) $x^2 + 8x + 12 = 0$

k) $x^2 - 13x + 42 = 0$

d) $x^2 + 10x + 24 = 0$

l) $x^2 - 10x + 25 = 0$

e) $a^2 + 9a + 18 = 0$

m) $a^2 - 5a + 4 = 0$

f) $x^2 + 4x + 3 = 0$

n) $x^2 - x - 56 = 0$

g) $s^2 + 12s + 20 = 0$

o) $x^2 - 2x - 48 = 0$

h) $x^2 + 4x - 21 = 0$

p) $x^2 - 14x + 24 = 0$

Tricky Questions: Factorise:

a) $s^2 + (a + 5)s + 5a$

c) $x^2 - (a - b) - ab$

b) $x^2 + 2hx + h^2$

d) $x^2 - 2nx + n^2$

Exam question:

a) Factorise: $x^2 - 7x - 30$

b) Factorise: $x^2 + xz + xy + yz$

