

Name: _____



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Factorise:

a) $x^2 + 4x + 4$

$$(x + 2)(x + 2)$$

k) $x^2 + 4x - 21$

$$(x + 9)(x - 3)$$

b) $x^2 + 6x + 8$

$$(x + 2)(x + 4)$$

l) $x^2 - 3x - 28$

$$(x + 4)(x - 7)$$

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

$$(x + 2)(x + 6)$$

m) $x^2 - 13x + 42$

$$(x - 6)(x - 7)$$

d) $x^2 + 13x + 42$

$$(x + 6)(x + 7)$$

n) $x^2 - 10x + 25$

$$(x - 5)(x - 5)$$

e) $a^2 + 8a + 7$

$$(a + 7)(a + 1)$$

o) $k^2 - 7k + 6$

$$(x - 6)(x - 1)$$

f) $x^2 + 11x + 18$

$$(x + 2)(x + 9)$$

p) $x^2 - 7x - 30$

$$(x + 3)(x - 10)$$

g) $p^2 + 9p + 20$

$$(p + 4)(p + 5)$$

q) $x^2 + 2x - 35$

$$(x + 7)(x - 5)$$

h) $x^2 - 4x - 5$

$$(x + 5)(x - 1)$$

r) $x^2 - 11x + 24$

$$(x - 8)(x - 3)$$

i) $y^2 + 7y - 8$

$$(y + 8)(y - 1)$$

s) $x^2 - 11x + 42$

$$(x + 3)(x - 14)$$

j) $x^2 - 8x + 15$

$$(x - 5)(x - 3)$$

t) $e^2 + 6e - 27$

$$(e + 9)(e - 3)$$

Exam question:

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

$$(x + y)(x + z)$$

