ALGEBRA: Multiplying out brackets

(1) $3(2x + 5) = 6x + 15$

(2) $2x(x + 3) = 2x^2 + 6x$

(3) $(x + 2)(x + 3)$

First	$\boldsymbol{x^2}$
Outer	$\boldsymbol{3x}$
Inner	$\boldsymbol{2x}$
Last	$\boldsymbol{6}$

$\boldsymbol{x^2 + 3x + 2x + 6} \quad = \quad \boldsymbol{x^2 + 5x + 6}$

(4) $4(3x + 2)$

(5) $x(x + 4)$

(6) $3x(x + 5)$

(7) $4x(2x + 3)$

(8) $2x(4 - 7x)$

(9) $-3x(9 - 7x)$

(10) $-7x(2x + 5)$

(11) $(x+1)(x+2)$

(12) $(k+3)(k+7)$

(13) $(d+5)(d+9)$

(14) $(p+8)(p+6)$

(15) $(w+5)(w+8)$

(16) $(x+1)(x-2)$

(17) $(k+3)(k-7)$

(18) $(d-5)(d+9)$

(19) $(p-8)(p+6)$

(20) $(w-5)(w+8)$

(21) $(x-1)(x-2)$

(22) $(k-3)(k-7)$

(23) $(d-5)(d-9)$

(24) $(p-8)(p-6)$

(25) $(w-5)(w-8)$

(26) $(3x+1)(x+2)$

(27) $(4y+5)(y+7)$

(28) $(t+4)(6t+1)$

(29) $(7u+2)(u+3)$

(30) $(9v+1)(v+1)$

(31) $(3x+1)(x-2)$

(32) $(4y+5)(y-7)$

(33) $(t-4)(6t+1)$

(34) $(7u-2)(u+3)$

(35) $(9v+1)(v-1)$

(36) $(3x-1)(x-2)$

(37) $(4y-5)(y-7)$

(38) $(t-4)(6t-1)$

(39) $(7u-2)(u-3)$

(40) $(9v-1)(v-1)$

(41) $(6x + 5)(2x - 7)$

(42) $(5 - 3x)(2x + 1)$

(43) $(5a - 4)(5 + 4a)$

(44) $(7f + 2)(3f - 1)$

(45) $2(h + 1)(h + 2)$

(46) $5(2h - 1)(h - 3)$

(47) $-3(h - 7)(2h + 1)$

(48) $z(z + 1) + 6(z - 1)$

(49) $3m(1 + 2m) - 4(m + 7)$

(50) $2(x + 3) + 7(2x - 5)$