

Name: _____

1. Expand the following algebraic expressions.

(a) $5(x + 3)$

(b) $4(2a - 3b)$

(c) $-2(5m - 4n)$

(d) $6(2a - 3b + 5c)$

(e) $m(2m + 3n)$

(f) $-2a(3a - 5b)$

2. Expand and simplify the following algebraic expressions.

(a) $4(x + 3) + 2(x + 5)$

(b) $3(m - 5) - 4(m + 2)$

(c) $5(x + 3y) + 4(3x - 2y)$

(d) $-2a(3a + 4b) - 3a(4a - 5b)$

(e) $(a + 2)(a + 5)$

(f) $(x - 4)(x - 6)$

(g) $(m - 5)(m + 12)$

(h) $(2n + 3)(3n - 8)$

(i) $(3a - 4b)(2a - 5b)$

(j) $(6m + 7n)(2m - 9n)$