

Simplifying Polynomials

1. Expand and simplify each of the following.

a) $(4x + 3) + 2(5x + 1)$

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

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

d) $6x(2x + 1) - 3(2x + 1)$

e) $5(m - 6) - 2m(m - 6)$

f) $3x(2x - 7) - 1(2x - 7)$

g) $2x(2x - 5) + 3(2x - 5)$

h) $2x(2x + 5) + 5(2x + 5)$

2. Find expressions for the area of each rectangle.

