

1. Simplify.

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

b) $(8x + 5) + (2x - 9) - (4x - 10)$

2. Multiply.

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

b) $(5x + 2)^2$

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

d) $(2x + 3)^3$

3. Find the area of the shaded region.

