

- 4 Use the Distributive Property to simplify these expressions.

Example: $6m + 10 + 28m + 9$
 $= (6 + 28) * m + (10 + 9)$
 $= 34m + 19$

a. $87 + 14t + 8t$

b. $38 + 105x + 74 + 68x$

c. $502 + 102u - 8u - 32$

d. $312 + 15r - 106 + 15r - 35$

- 5 Use the Distributive Property and combine like terms to simplify expressions with parentheses and multiplication.

Example: $10(x + 4) - 3x$
 $= 10x + 40 - 3x$
 $= 40 + 10x - 3x$
 $= 40 + (10 - 3)x$
 $= 40 + 7x$

a. $11(n + 5) + 105$

b. $25 + 8(b - 2)$

c. $42(z + 3) + 12(z - 4)$