

# Worksheet

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Problem quickname: 8621

1)

Expand the product as shown in example a).

- a)  $6(z + 2) = 6z + 12$       b)  $10(y + 3) = \underline{\hspace{2cm}}$   
c)  $6(z + 8) = \underline{\hspace{2cm}}$       d)  $5z(w + 2) = \underline{\hspace{2cm}}$   
e)  $5(v + 13) = \underline{\hspace{2cm}}$       f)  $9b(c + 1) = \underline{\hspace{2cm}}$   
g)  $8(x + 7) = \underline{\hspace{2cm}}$       h)  $4(d + 8) = \underline{\hspace{2cm}}$   
i)  $3(b + 16) = \underline{\hspace{2cm}}$       j)  $5(c + 12) = \underline{\hspace{2cm}}$

2)

Expand the product as shown in example a).

- a)  $7(5v + 4w + 4y) = 35v + 28w + 28y$       b)  $7v(z + 2) = \underline{\hspace{2cm}}$   
c)  $2(9v + 4x + 9y) = \underline{\hspace{2cm}}$       d)  $6(2w + 7y) = \underline{\hspace{2cm}}$   
e)  $9d(2d + b) = \underline{\hspace{2cm}}$       f)  $7(2a + 3d + 2e) = \underline{\hspace{2cm}}$   
g)  $6w(5w + y) = \underline{\hspace{2cm}}$       h)  $6e(e + 4) = \underline{\hspace{2cm}}$   
i)  $3b(5b + 4e) = \underline{\hspace{2cm}}$       j)  $9a(b + 5) = \underline{\hspace{2cm}}$

3)

Expand the product as shown in example a).

- a)  $5(v + 5x + 6y) = 5v + 25x + 30y$       b)  $9e(a + 1) = \underline{\hspace{2cm}}$   
c)  $5(10a + b + 7c) = \underline{\hspace{2cm}}$       d)  $5(v + y + z) = \underline{\hspace{2cm}}$   
e)  $4(9w + 3x + 5z) = \underline{\hspace{2cm}}$       f)  $9(a + b + c) = \underline{\hspace{2cm}}$   
g)  $9d(c + 4) = \underline{\hspace{2cm}}$       h)  $8e(a + 4) = \underline{\hspace{2cm}}$   
i)  $5(y + 5) = \underline{\hspace{2cm}}$       j)  $3a(b + 14) = \underline{\hspace{2cm}}$

4)

Expand the product as shown in example a).

- a)  $6(6w + 6x + y) = 36w + 36x + 6y$       b)  $6(3w + 2x + 5y)$       c)  $5c(b + 1)$   
d)  $8(x + 6)$       e)  $6d(c + 2)$       f)  $10c(b + 4)$       g)  $5(c + 8d)$   
h)  $2(13w + 11x + 22y)$       i)  $5c(e + 8)$       j)  $4e(b + 11)$

Good Luck!