

# Worksheet

10/04/2019

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Problem quickname: 6625

1)

Simplify the expression by eliminating the brackets and combining like terms.

- a)  $4b + 9b - 3b - ((-7)b - 4c + 7b + 7c)$       b)  $2b - 5a - ((-6)a + 2a)$   
c)  $4b + 5a - ((-8)a - 8b - 4b)$       d)  $-9c - 6b - 5c - ((-7)c - 8b + 8c)$   
e)  $-8a - 6c - ((-6)c - 3b - 7c)$

2)

Simplify the expression by eliminating the brackets and combining like terms.

- a)  $b + 6b - ((-4)a - 3b - 3b) - ((-5)a - 5b + 2b)$   
b)  $5b - 10a + 2a - ((-5)c - 9b + 8b) - ((-5)c + 2b + 3b)$   
c)  $-3b + b - (5a - 8b - 5c) - ((-4)b + 8b - 10a + 8a)$   
d)  $-3c + 7b - 10b - 7c - (a - 2a + 8a) - (2c + b)$   
e)  $-3a + 7c + 8b + 10c - ((-7)b - 3b - 2b + 9a) - (7a + c - 9a)$

3)

Simplify the expression by eliminating the brackets and combining like terms.

- a)  $a + 9d + 5c - ((-7)a - 6a)$       b)  $4c + c + 3a - (10b + 8b)$   
c)  $b - 5b + c - ((-7)b + 3b + 9b + 7b)$       d)  $8b - 6c - ((-3)a - 6b + b)$   
e)  $7c - 9a - 2b - ((-7)b + 6c - 2c)$

4)

Simplify the expression by eliminating the brackets and combining like terms.

- a)  $8e - 3e + 9e - 3d - (7e + 3b + c - 9b) - (e + 10b + 8b + d)$   
b)  $-4b + 7d - 7f - (a + e + d + 9f) - ((-9)b + c - 6e + 8a)$   
c)  $9e + 2f + 3c - (e + 3a - 8c - 3b) - (6b + 2e + b)$   
d)  $7f + 2c + c - (7b + 3b + 8e) - ((-7)c - 8d + 9a - 2f)$   
e)  $3c - 7b + 8e - 6e - (5f + 4e + d) - ((-10)c + 7f + 4a - 3d)$

Good Luck!