

# Worksheet

10/04/2019

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Problem quickname: 6625

1)

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

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

2)

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

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

3)

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

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

4)

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

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

Good Luck!