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Math worksheet on *'Algebraic Functions - Variable Substitution to Equation - Bracketed Terms (Level 2)'*. Part of a broader unit on *'Negative Integers - Practice'*

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1
What does this equation become when y=4, c=3

$$4(3y - 6c)$$

a $4 + (3 \times 4 + 6 \times 3)$	b $4 \times (3 \times 4 - 6 \times 3)$
c $4 \times (3 \times 4 + 6 \times 3)$	d $3 \times 4 - 6 \times 3$
e $-3 \times 4 - 6 \times 3$	f $4 + (3 \times 4 \times 6 \times 3)$

2
What does this equation become when p=3, m=2

$$5(3p - 2m)$$

a $-3 \times 3 - 2 \times 2$	b $5 \times (3 \times 3 + 2 \times 2)$
c $5 + (3 \times 3 + 2 \times 2)$	d $5 + (3 \times 3 \times 2 \times 2)$
e $3 \times 3 - 2 \times 2$	f $5 \times (3 \times 3 - 2 \times 2)$

3
What does this equation become when z=5, r=3

$$4(5z - 6r)$$

a $4 \times (5 \times 5 + 6 \times 3)$	b $4 + (5 \times 5 \times 6 \times 3)$
c $4 \times (5 \times 5 - 6 \times 3)$	d $5 \times 5 - 6 \times 3$
e $4 + (5 \times 5 + 6 \times 3)$	f $-5 \times 5 - 6 \times 3$

4
What does this equation become when c=2, d=3

$$3(4c - 5d)$$

a $4 \times 2 - 5 \times 3$	b $3 + (4 \times 2 \times 5 \times 3)$
c $-4 \times 2 - 5 \times 3$	d $3 \times (4 \times 2 + 5 \times 3)$
e $3 + (4 \times 2 + 5 \times 3)$	f $3 \times (4 \times 2 - 5 \times 3)$

5
What does this equation become when d=2, n=3

$$2(6d - 6n)$$

a $2 + (6 \times 2 + 6 \times 3)$	b $-6 \times 2 - 6 \times 3$
c $2 \times (6 \times 2 - 6 \times 3)$	d $6 \times 2 - 6 \times 3$
e $2 + (6 \times 2 \times 6 \times 3)$	f $2 \times (6 \times 2 + 6 \times 3)$

6
What does this equation become when n=3, y=5

$$3(3n - 3y)$$

a $3 \times (3 \times 3 + 3 \times 5)$	b $3 \times 3 - 3 \times 5$
c $3 + (3 \times 3 + 3 \times 5)$	d $3 \times (3 \times 3 - 3 \times 5)$
e $3 + (3 \times 3 \times 3 \times 5)$	f $-3 \times 3 - 3 \times 5$

7
What does this equation become when d=5, n=3

$$3(3d - 6n)$$

a $3 \times (3 \times 5 - 6 \times 3)$	b $3 + (3 \times 5 \times 6 \times 3)$
c $3 \times (3 \times 5 + 6 \times 3)$	d $3 \times 5 - 6 \times 3$
e $3 + (3 \times 5 + 6 \times 3)$	f $-3 \times 5 - 6 \times 3$