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Math worksheet on *'Algebraic Functions - Variable Substitution to Equation - Bracketed Terms (Negatives) (Level 1)'*. Part of a broader unit on *'Negative Integers - Practice'*

Learn online: app.mobius.academy/math/units/negative_integers_practice/

1

What does this equation become when z=-4, b=-2

$-6(3z + 4b)$

a $3 \times -4 - 4 \times -2$

b $6 - (3 \times -4 \times 4 \times -2)$

c $6 - (3 \times -4 + 4 \times -2)$

d $-6 \times (3 \times -4 + 4 \times -2)$

e $6 \times (3 \times -4 + 4 \times -2)$

f $-3 \times -4 - 4 \times -2$

2

What does this equation become when c=-4, m=5

$-5(4c + 3m)$

a $4 \times -4 - 3 \times 5$

b $5 - (4 \times -4 + 3 \times 5)$

c $5 \times (4 \times -4 + 3 \times 5)$

d $5 - (4 \times -4 \times 3 \times 5)$

e $-5 \times (4 \times -4 + 3 \times 5)$

f $-4 \times -4 - 3 \times 5$

3

What does this equation become when y=3, x=-5

$5(4y + 3x)$

a $5 + (4 \times 3 \times 3 \times -5)$

b $5 + (4 \times 3 + 3 \times -5)$

c $4 \times 3 - 3 \times -5$

d $5 \times (4 \times 3 + 3 \times -5)$

e $-4 \times 3 - 3 \times -5$

f $4 + 3 + 3 + -5$

4

What does this equation become when n=2, m=-2

$-2(6n + 5m)$

a $-2 \times (6 \times 2 + 5 \times -2)$

b $2 - (6 \times 2 + 5 \times -2)$

c $2 - (6 \times 2 \times 5 \times -2)$

d $6 \times 2 - 5 \times -2$

e $2 \times (6 \times 2 + 5 \times -2)$

f $-6 \times 2 - 5 \times -2$

5

What does this equation become when y=-4, p=4

$3(2y + 2p)$

a $-2 \times -4 - 2 \times 4$

b $2 \times -4 - 2 \times 4$

c $3 + (2 \times -4 \times 2 \times 4)$

d $3 \times (2 \times -4 + 2 \times 4)$

e $3 + (2 \times -4 + 2 \times 4)$

f $2 + -4 + 2 + 4$

6

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

$6(5n + 2d)$

a $6 + (5 \times 5 + 2 \times -3)$

b $6 + (5 \times 5 \times 2 \times -3)$

c $6 \times (5 \times 5 + 2 \times -3)$

d $-5 \times 5 - 2 \times -3$

e $5 + 5 + 2 + -3$

f $5 \times 5 - 2 \times -3$

7

What does this equation become when z=-4, y=-3

$-4(3z + 4y)$

a $4 \times (3 \times -4 + 4 \times -3)$

b $4 - (3 \times -4 + 4 \times -3)$

c $3 \times -4 - 4 \times -3$

d $-4 \times (3 \times -4 + 4 \times -3)$

e $4 - (3 \times -4 \times 4 \times -3)$

f $-3 \times -4 - 4 \times -3$

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