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

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**1**

What does this equation become when m=-6, b=-7

$-5(6m - 4b)$

a $5 - (6 \times -6 \times 4 \times -7)$

b $-5 \times (6 \times -6 - 4 \times -7)$

c $-6 \times -6 - 4 \times -7$

d $5 \times (6 \times -6 - 4 \times -7)$

e $5 \times (6 \times -6 + 4 \times -7)$

f $5 - (6 \times -6 + 4 \times -7)$

**2**

What does this equation become when b=-6, x=-5

$-3(4b - 6x)$

a $-4 \times -6 - 6 \times -5$

b $3 \times (4 \times -6 + 6 \times -5)$

c $3 \times (4 \times -6 - 6 \times -5)$

d $3 - (4 \times -6 + 6 \times -5)$

e $-3 \times (4 \times -6 - 6 \times -5)$

f $3 - (4 \times -6 \times 6 \times -5)$

**3**

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

$-3(2d - 2m)$

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

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

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

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

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

f $3 \times (2 \times 2 + 2 \times -2)$

**4**

What does this equation become when m=8, z=-4

$4(3m - 2z)$

a $4 \times (3 \times 8 - 2 \times -4)$

b $3 \times 8 - 2 \times -4$

c $4 \times (3 \times 8 + 2 \times -4)$

d $4 + (3 \times 8 + 2 \times -4)$

e $4 + (3 \times 8 \times 2 \times -4)$

f $-3 \times 8 - 2 \times -4$

**5**

What does this equation become when m=7, y=-3

$4(3m - 4y)$

a $4 + (3 \times 7 \times 4 \times -3)$

b $4 \times (3 \times 7 - 4 \times -3)$

c $-3 \times 7 - 4 \times -3$

d $4 \times (3 \times 7 + 4 \times -3)$

e $4 + (3 \times 7 + 4 \times -3)$

f $3 \times 7 - 4 \times -3$

**6**

What does this equation become when y=-2, b=3

$4(6y - 6b)$

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

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

c $6 \times -2 - 6 \times 3$

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

e $-6 \times -2 - 6 \times 3$

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

**7**

What does this equation become when z=3, r=-2

$-5(6z - 3r)$

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

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

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

d $-6 \times 3 - 3 \times -2$

e $5 - (6 \times 3 \times 3 \times -2)$

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

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