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

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1

What does this equation become when m=2, y=-6

$-3(4m + 6y)$

a. $3 - (4 \times 2 \times 6 \times -6)$
b. $-3 \times (4 \times 2 + 6 \times -6)$
c. $-4 \times 2 - 6 \times -6$
d. $3 - (4 \times 2 + 6 \times -6)$
e. $3 \times (4 \times 2 + 6 \times -6)$
f. $4 \times 2 - 6 \times -6$

2

What does this equation become when d=-7, y=-5

$2(4d + 5y)$

a. $2 + (4 \times -7 + 5 \times -5)$
b. $-4 \times -7 - 5 \times -5$
c. $2 + (4 \times -7 \times 5 \times -5)$
d. $4 \times -7 - 5 \times -5$
e. $2 \times (4 \times -7 + 5 \times -5)$
f. $4 + -7 + 5 + -5$

3

What does this equation become when n=7, m=-4

$4(4n + 4m)$

a. $4 \times 7 - 4 \times -4$
b. $4 \times (4 \times 7 + 4 \times -4)$
c. $-4 \times 7 - 4 \times -4$
d. $4 + (4 \times 7 \times 4 \times -4)$
e. $4 + 7 + 4 + -4$
f. $4 + (4 \times 7 + 4 \times -4)$

4

What does this equation become when d=-2, b=6

$3(2d + 4b)$

a. $-2 \times -2 - 4 \times 6$
b. $2 + -2 + 4 + 6$
c. $3 \times (2 \times -2 + 4 \times 6)$
d. $3 + (2 \times -2 + 4 \times 6)$
e. $2 \times -2 - 4 \times 6$
f. $3 + (2 \times -2 \times 4 \times 6)$

5

What does this equation become when m=-4, p=2

$-2(7m + 7p)$

a. $-2 \times (7 \times -4 + 7 \times 2)$
b. $7 \times -4 - 7 \times 2$
c. $2 - (7 \times -4 + 7 \times 2)$
d. $2 \times (7 \times -4 + 7 \times 2)$
e. $-7 \times -4 - 7 \times 2$
f. $2 - (7 \times -4 \times 7 \times 2)$

6

What does this equation become when d=8, c=-8

$3(5d + 7c)$

a. $3 \times (5 \times 8 + 7 \times -8)$
b. $3 + (5 \times 8 + 7 \times -8)$
c. $3 + (5 \times 8 \times 7 \times -8)$
d. $5 \times 8 - 7 \times -8$
e. $-5 \times 8 - 7 \times -8$
f. $5 + 8 + 7 + -8$

7

What does this equation become when d=5, p=-4

$7(4d + 3p)$

a. $7 \times (4 \times 5 + 3 \times -4)$
b. $4 \times 5 - 3 \times -4$
c. $7 + (4 \times 5 \times 3 \times -4)$
d. $4 + 5 + 3 + -4$
e. $7 + (4 \times 5 + 3 \times -4)$
f. $-4 \times 5 - 3 \times -4$