

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)
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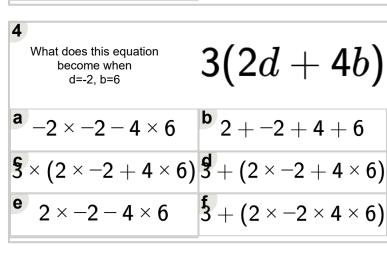
$$3-(4\times2\times6\times-6)$$
  $\times 3\times(4\times2+6\times-6)$ 

$$^{\mathbf{c}} -4 \times 2 - 6 \times -6 \quad \mathbf{g} - (4 \times 2 + 6 \times -6)$$

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

2	What does this equation become when d=-7, y=-5	2(4d + 5y)
<u>a</u>	+ (4 × $-$ 7 + 5 × $-$ 5)	$\mathbf{b}$ $-4 \times -7 - 5 \times -5$
5	+ (4 × $-7$ × 5 × $-5$ )	d $4 \times -7 - 5 \times -5$
2	$\times$ (4 $\times$ -7 + 5 $\times$ -5)	$^{\mathbf{f}}$ 4 + -7 + 5 + -5

What does this equation become when 
$$n=7, m=-4$$
 
$$4(4n+4m)$$
a  $4 \times 7 - 4 \times -4$  
$$4 \times (4 \times 7 + 4 \times -4)$$
c  $-4 \times 7 - 4 \times -4$  
$$4 + (4 \times 7 \times 4 \times -4)$$
e  $4+7+4+-4$  
$$4+(4 \times 7 + 4 \times -4)$$



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

$$\begin{array}{l}
\mathbf{a} \\
2 \times (7 \times -4 + 7 \times 2)
\end{array}$$
 $\begin{array}{l}
\mathbf{b} \\
7 \times -4 - 7 \times 2
\end{array}$ 
 $\begin{array}{l}
\mathbf{c} \\
\mathbf{c} \\
-7 \times -4 - 7 \times 2
\end{array}$ 
 $\begin{array}{l}
\mathbf{c} \\
\mathbf{c} \\
-7 \times -4 - 7 \times 2
\end{array}$ 
 $\begin{array}{l}
\mathbf{c} \\
\mathbf{c} \\
-7 \times -4 - 7 \times 2
\end{array}$ 
 $\begin{array}{l}
\mathbf{c} \\
\mathbf{c} \\
-7 \times -4 - 7 \times 2
\end{array}$ 
 $\begin{array}{l}
\mathbf{c} \\
\mathbf{c} \\
-7 \times -4 - 7 \times 2
\end{array}$ 

6 What does this equation become when 
$$d=8, c=-8$$
  $3(5d+7c)$   $3 \times (5 \times 8 + 7 \times -8)$   $3 + (5 \times 8 + 7 \times -8)$   $3 + (5 \times 8 \times 7 \times -8)$   $3 + (5 \times 8 \times 7 \times -8)$   $3 + (5 \times 8 \times 7 \times -8)$   $3 + (5 \times 8 \times 7 \times -8)$   $3 + (5 \times 8 \times 7 \times -8)$   $4 + (5 \times 8 \times 7 \times -8)$   $5 + (5 \times 8 \times 7 \times -8)$   $5 + (5 \times 8 \times 7 \times -8)$   $5 + (5 \times 8 \times 7 \times -8)$   $6 + (5 \times 8 \times 7 \times -8)$   $6 + (5 \times 8 \times 7 \times -8)$ 

