2*b*

3 · 8



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

Learn online: app.mobius.academy/math/units/algebra basic concepts advanced/

What does this equation become when y=8, b=4, x=-2, p=2		$\begin{bmatrix} \mathbf{a} \\ 3 \cdot 8 \\ 2 \cdot 4 - 6 \cdot -2 \end{bmatrix}$	
$\frac{3y}{}$	$\frac{6x}{}$	$\frac{\mathbf{c}}{3\cdot 8}$	$-\frac{6\cdot -2}{2\cdot 2}$

What does this equation become when x=6, b=-2, d=-7, c=-3	$\begin{bmatrix} \mathbf{a} \\ \frac{-4+6}{2+-2} - \frac{6+-7}{7+-3} \\ \frac{4\cdot 6}{2\cdot -2} + \frac{6\cdot -7}{7\cdot -3} \end{bmatrix}$
$-4x$ _ 6d	$ \frac{\mathbf{c}}{\frac{-4 \cdot 6}{2 \cdot -2}} - \frac{\mathbf{d}}{7 \cdot -3} = \frac{\mathbf{d}}{\frac{-4 \cdot 6}{2 \cdot -2}} \times \frac{6 \cdot -7}{7 \cdot -3} $
2b $7c$	$\frac{\mathbf{e}}{\frac{-4 \cdot 6}{2 \cdot -2}} + \frac{6 \cdot -7}{7 \cdot -3} = \frac{4 \cdot 6}{2 \cdot -2} - \frac{6 \cdot -7}{7 \cdot -3}$

What does this equation become when p=8, m=-4, b=-8, d=2	$\frac{\mathbf{a}}{\frac{-4\cdot 8}{2\cdot -4}} \times \frac{7\cdot -8}{7\cdot 2}$	$\frac{\mathbf{b}}{\frac{-4\cdot 8}{2\cdot -4}} + \frac{7\cdot -8}{7\cdot 2}$
$-4p$ $_{-}$ $\frac{7b}{}$	$\frac{\mathbf{C}}{\frac{-4+8}{2+-4}} - \frac{7+-8}{7+2}$	$\frac{\mathbf{d}}{\frac{4\cdot 8}{2\cdot -4}} - \frac{7\cdot -8}{7\cdot 2}$
2 <i>m</i> 7 <i>d</i>	$\frac{\mathbf{e}}{2\cdot -4} - \frac{7\cdot -8}{7\cdot 2}$	$\frac{\mathbf{f}}{2 \cdot -4} + \frac{7 \cdot -8}{7 \cdot 2}$

What does this equation become when p=2, r=-3, x=-6, m=3
$$\frac{-3p}{2r} - \frac{7x}{2 \cdot 3} = \frac{3 \cdot 2}{2 \cdot 3} - \frac{7 \cdot -6}{2 \cdot 3} = \frac{-3 \cdot 2}{2 \cdot -3} \times \frac{7 \cdot -6}{2 \cdot 3}$$

$$\frac{c}{2 \cdot 3} - \frac{3 \cdot 2}{2 \cdot 3} - \frac{7 \cdot -6}{2 \cdot 3} = \frac{-3 \cdot 2}{2 \cdot -3} + \frac{7 \cdot -6}{2 \cdot 3}$$

$$\frac{d}{2r} - \frac{3 \cdot 2}{2 \cdot -3} + \frac{7 \cdot -6}{2 \cdot 3} = \frac{-3 \cdot 2}{2 \cdot -3} + \frac{7 \cdot -6}{2 \cdot 3}$$

$$\frac{d}{2r} - \frac{3 \cdot 2}{2 \cdot -3} + \frac{7 \cdot -6}{2 \cdot 3} = \frac{-3 \cdot 2}{2 \cdot -3} - \frac{7 \cdot -6}{2 \cdot 3}$$

What does this equation become when m=-6, n=-7, b=-4, p=8
$$\begin{array}{c|c}
\hline
 & a \\
\hline
 & -7 \cdot -6 \\
\hline
 & 2 \cdot -7
\end{array}$$

$$\begin{array}{c|c}
\hline
 & b \\
\hline
 & -7 \cdot -6 \\
\hline
 & 2 \cdot -7
\end{array}$$

$$\begin{array}{c|c}
\hline
 & c \\
\hline
 & 7 \cdot -6 \\
\hline
 & 2 \cdot -7
\end{array}$$

$$\begin{array}{c|c}
\hline
 & d \\
\hline
 & -7 \cdot -6 \\
\hline
 & 2 \cdot -7
\end{array}$$

$$\begin{array}{c|c}
\hline
 & d \\
\hline
 & -7 \cdot -6 \\
\hline
 & 2 \cdot -7
\end{array}$$

$$\begin{array}{c|c}
\hline
 & d \\
\hline
 & -7 \cdot -6 \\
\hline
 & 2 \cdot -7
\end{array}$$

$$\begin{array}{c|c}
\hline
 & d \\
\hline
 & -7 \cdot -6 \\
\hline
 & 2 \cdot -7
\end{array}$$

$$\begin{array}{c|c}
\hline
 & d \\
\hline
 & -7 \cdot -6 \\
\hline
 & 2 \cdot -7
\end{array}$$

$$\begin{array}{c|c}
\hline
 & f \\
\hline
 & -7 \cdot -6 \\
\hline
 & 2 \cdot -7
\end{array}$$

$$\begin{array}{c|c}
\hline
 & f \\
\hline
 & -7 \cdot -6 \\
\hline
 & 2 \cdot -7
\end{array}$$

$$\begin{array}{c|c}
\hline
 & f \\
\hline
 & -7 \cdot -6 \\
\hline
 & 2 \cdot -7
\end{array}$$

$$\frac{6}{2d} \stackrel{\text{What does this equation}}{+} \frac{\frac{a}{6 \cdot 5}}{\frac{6 \cdot 5}{2 \cdot - 3}} \times \frac{\frac{4 \cdot 7}{2 \cdot 2}}{\frac{6}{2 \cdot - 3}} \frac{\frac{b}{6 \cdot 5} + 4 \cdot 7}{2 \cdot - 3}$$

