



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

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1

$$\frac{6d + 4b}{2p}$$

What does this equation become when $d=4$, $p=8$, $b=-6$

a

$$\frac{6 \cdot 4 + 4 \cdot (-6)}{2 \cdot 8}$$

b

$$\frac{6 + 4 + 4 + (-6)}{2 + 8}$$

2

$$\frac{6x - 3p}{5y}$$

What does this equation become when $x=7$, $y=-6$, $p=4$

a

$$\frac{6 \cdot 7 - 3 \cdot 4}{5 \cdot (-6)}$$

b

$$\frac{6^7 + 3^4}{5(-6)}$$

3

$$\frac{4x - 6m}{6n}$$

What does this equation become when $x=3$, $n=-8$, $m=-6$

a

$$\frac{4 \cdot 3 - 6 \cdot (-6)}{6 \cdot (-8)}$$

b

$$3^4 + (-8)^6$$

4

$$\frac{6c - 5d}{4p}$$

What does this equation become when $c=-5$, $p=3$, $d=6$

a

$$\frac{6 \cdot (-5) + 5 \cdot 6}{4 \cdot 3}$$

b

$$\frac{6 \cdot (-5) - 5 \cdot 6}{4 \cdot 3}$$

5

$$\frac{6x - 3n}{4y}$$

What does this equation become when $x=7$, $y=6$, $n=-2$

a

$$\frac{6 - 7 - 3 - (-2)}{4 - 6}$$

b

$$\frac{6 \cdot 7 - 3 \cdot (-2)}{4 \cdot 6}$$

6

$$\frac{2x + 3z}{3m}$$

What does this equation become when $m=-6$, $m=2$, $z=-4$

a

$$2 - (-6) + 3 - 2$$

b

$$\frac{2 \cdot (-6) + 3 \cdot (-4)}{3 \cdot 2}$$

7

$$\frac{7m - 5x}{6y}$$

What does this equation become when $m=-7$, $y=-2$, $x=-5$

a

$$7(-7) + 6(-2)$$

b

$$\frac{7 \cdot (-7) - 5 \cdot (-5)}{6 \cdot (-2)}$$