Math worksheet on *'Algebraic Functions - Variable Substitution to Equation - Fractional Terms (Negatives) (Level 1)'*. Part of a broader unit on *'Negative Integers - Practice'*

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1 What does this equation become when y=-3, z=-5

$$-\frac{5y}{3z}$$

a $-\frac{5--3}{3--5}$ **b** $\frac{5^{-3}}{3^{-5}}$ **c** $-\frac{5\cdot-3}{3\cdot-5}$

d $-\frac{5+-3}{3+-5}$ **e** $\frac{5+-3}{3+-5}$ **f** $\frac{5--3}{3--5}$

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

$$-\frac{4b}{2z}$$

a $-\frac{4\cdot-3}{2\cdot-2}$ **b** $\frac{4--3}{2--2}$ **c** $-\frac{4+-3}{2+-2}$

d $\frac{4^{-3}}{2^{-2}}$ **e** $-\frac{4--3}{2--2}$ **f** $\frac{4+-3}{2+-2}$

3 What does this equation become when c=-2, p=2

$$-\frac{6c}{6p}$$

a $\frac{6--2}{6-2}$ **b** $\frac{6^{-2}}{6^{2}}$ **c** $-\frac{6+-2}{6+2}$

d $-\frac{6--2}{6-2}$ **e** $\frac{6+-2}{6+2}$ **f** $-\frac{6\cdot-2}{6\cdot2}$

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

$$-\frac{3m}{3p}$$

a $-\frac{3\cdot-2}{3\cdot2}$ **b** $\frac{3+-2}{3+2}$ **c** $\frac{3^{-2}}{3^{2}}$

d $\frac{3--2}{3-2}$ **e** $-\frac{3--2}{3-2}$ **f** $-\frac{3+-2}{3+2}$

5 What does this equation become when n=-3, r=3

$$\frac{5n}{5r}$$

a $\frac{5--3}{5-3}$ **b** $\frac{5+-3}{5+3}$

c $5--3+5-3$ **d** $\frac{5\cdot-3}{5\cdot3}$

e $\frac{5^{-3}}{5^{3}}$ **f** $5^{-3}+5^{3}$

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

$$-\frac{3y}{2r}$$

a $-\frac{3\cdot-2}{2\cdot-3}$ **b** $-\frac{3+-2}{2+-3}$ **c** $-\frac{3--2}{2--3}$

d $\frac{3^{-2}}{2^{-3}}$ **e** $\frac{3--2}{2--3}$ **f** $\frac{3+-2}{2+-3}$

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

$$-\frac{4x}{2p}$$

a $-\frac{4+4}{2+-2}$ **b** $-\frac{4-4}{2--2}$ **c** $\frac{4-4}{2--2}$

d $\frac{4^{4}}{2^{-2}}$ **e** $-\frac{4\cdot4}{2\cdot-2}$ **f** $\frac{4+4}{2+-2}$