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

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1 What is the value of this equation when b=4, m=-4, x=-5, z=5

$$\frac{2b^2}{2m^2} + \frac{6x^2}{3z^2}$$

a	b	c
3	−3	24
d	**e**	**f**
−64	1	64

2 What is the value of this equation when m=4, y=-4, x=3, b=-3

$$\frac{6m^2}{6y^2} + \frac{2x^2}{2b^2}$$

a	b	c
−192	72	192
d	**e**	**f**
1	2	1

3 What is the value of this equation when y=-4, r=4, m=2, x=-2

$$\frac{-3y^2}{3r^2} - \frac{3m^2}{3x^2}$$

a	b	c
−96	−4	4
d	**e**	**f**
60	−2	96

4 What is the value of this equation when x=3, m=-3, n=4, c=-4

$$\frac{5x^2}{5m^2} + \frac{6n^2}{6c^2}$$

a	b	c
30	−90	90
d	**e**	**f**
−2	3	2

5 What is the value of this equation when z=-2, n=2, c=-3, r=3

$$\frac{4z^2}{4n^2} + \frac{4c^2}{4r^2}$$

a	b	c
4	24	2
d	**e**	**f**
32	−5	−32

6 What is the value of this equation when p=-4, m=-2, b=3, c=-3

$$\frac{2p^2}{2m^2} + \frac{4b^2}{4c^2}$$

a	b	c
28	−40	−3
d	**e**	**f**
5	2	40

7 What is the value of this equation when m=5, c=-5, z=2, p=-2

$$\frac{2m^2}{2c^2} + \frac{6z^2}{3p^2}$$

a	b	c
−5m	40	−100
d	**e**	**f**
3	1	100