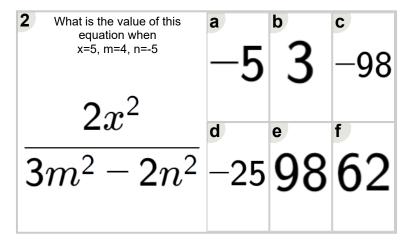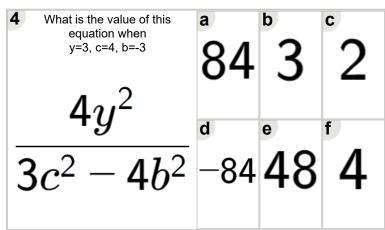# mobius

Math worksheet on *'Algebraic Function Variable Substitution - Multiple Fractional Squared Terms (Negatives) (Level 3)'*. Part of a broader unit on *'Algebra Basic Concepts - Advanced'*

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1 What is the value of this equation when d=-5, z=3, m=4

$$\frac{6d^2}{3z^2 - 2m^2}$$

a	b	c
177	159	3
d	**e**	**f**
−30	4	−177

2 What is the value of this equation when x=5, m=4, n=-5

$$\frac{2x^2}{3m^2 - 2n^2}$$

a	b	c
−5	3	−98
d	**e**	**f**
−25	98	62

3 What is the value of this equation when y=5, x=-3, p=-2

$$\frac{6y^2}{5x^2 - 5p^2}$$

a	b	c
135	195	4
d	**e**	**f**
−4	6	−195

4 What is the value of this equation when y=3, c=4, b=-3

$$\frac{4y^2}{3c^2 - 4b^2}$$

a	b	c
84	3	2
d	**e**	**f**
−84	48	4

5 What is the value of this equation when x=-2, m=3, c=2

$$\frac{3x^2}{2m^2 - 4c^2}$$

a	b	c
6	2	−30
d	**e**	**f**
18	30	4

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

$$\frac{4n^2}{2z^2 - 6r^2}$$

a	b	c
3	150	−25
d	**e**	**f**
−150	110	4

7 What is the value of this equation when r=-4, y=-3, m=5

$$\frac{6r^2}{6y^2 - 6m^2}$$

a	b	c
−1	4	150
d	**e**	**f**
78	−4	−150

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