Math worksheet on *'Algebraic Function Variable Substitution - Multiple Fractional Squared Terms (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 p=8, y=7, n=3

$$\frac{3p^2}{3y^2 + 5n^2}$$

a	b	c
339	−3	−339
d	**e**	**f**
1	213	−4

2 What is the value of this equation when d=8, n=2, r=3

$$\frac{6d^2}{7n^2 + 4r^2}$$

a	b	c
−412	−3	398
d	**e**	**f**
−2	412	6

3 What is the value of this equation when z=8, d=7, n=5

$$\frac{5z^2}{5d^2 + 3n^2}$$

a	b	c
355	565	1
d	**e**	**f**
4	−565	−3z

4 What is the value of this equation when r=5, p=2, b=6

$$\frac{4r^2}{7p^2 + 2b^2}$$

a	b	c
3	114	−4
d	**e**	**f**
1	−128	128

5 What is the value of this equation when r=8, b=2, n=6

$$\frac{2r^2}{5b^2 + 3n^2}$$

a	b	c
−5	4r	138
d	**e**	**f**
148	−148	1

6 What is the value of this equation when z=8, m=2, b=4

$$\frac{5z^2}{2m^2 + 2b^2}$$

a	b	c
328	8	−3
d	**e**	**f**
−328	4	324

7 What is the value of this equation when z=8, c=7, y=5

$$\frac{5z^2}{5c^2 + 3y^2}$$

a	b	c
−565	355	1
d	**e**	**f**
3	565	−4

