



Math worksheet on 'Algebraic Function Variable Substitution - Multiple Fractional Squared Terms (Level 1)'. Part of a broader unit on 'Algebra Basic Concepts - Practice'

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**1** What is the value of this equation when  $p=6, n=2, x=4$

a	b	c
3	186	192
d	e	f
127	-192	2

$$\frac{5p^2}{3n^2} + 7x^2$$

**2** What is the value of this equation when  $d=8, b=2, x=4$

a	b	c
76	200	2
d	e	f
208	1	-208

$$\frac{3d^2}{4b^2} + 4x^2$$

**3** What is the value of this equation when  $p=4, m=2, r=3$

a	b	c
3	53	-108
d	e	f
3	108	102

$$\frac{6p^2}{3m^2} + 5r^2$$

**4** What is the value of this equation when  $c=4, x=2, r=6$

a	b	c
-48	48	218
d	e	f
1	3	40

$$\frac{2c^2}{4x^2} + 6r^2$$

**5** What is the value of this equation when  $y=5, z=2, n=6$

a	b	c
110	2	4
d	e	f
120	77	-120

$$\frac{4y^2}{5z^2} + 2n^2$$

**6** What is the value of this equation when  $c=8, p=4, z=7$

a	b	c
1	1	-320
d	e	f
347	320	272

$$\frac{4c^2}{4p^2} + 7z^2$$

**7** What is the value of this equation when  $r=6, c=3, y=7$

a	b	c
-225	1	3
d	e	f
225	195	347

$$\frac{5r^2}{5c^2} + 7y^2$$