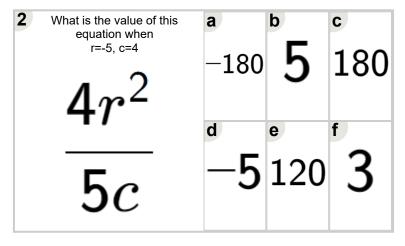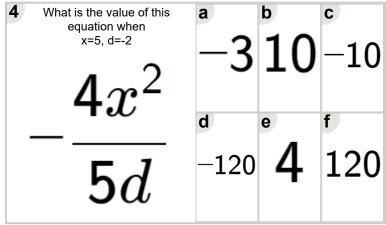# mobius

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

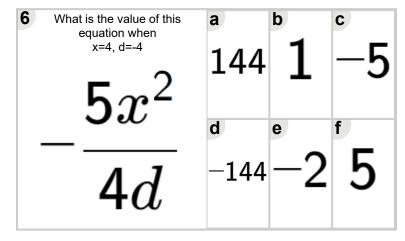Learn online: app.mobius.academy/math/units/algebra_basic_concepts_advanced/

**1** What is the value of this equation when z=4, y=-4

$$5z^2 - \frac{}{4y}$$

| a | b | c |
|---|---|---|
| $-144$ | $2$ | $-5$ |
| d | e | f |
| $144$ | $5$ | $3$ |

**2** What is the value of this equation when r=-5, c=4

$$\frac{4r^2}{5c}$$

| a | b | c |
|---|---|---|
| $-180$ | $5$ | $180$ |
| d | e | f |
| $-5$ | $120$ | $3$ |

**3** What is the value of this equation when m=-2, r=5

$$-\frac{5m^2}{4r}$$

| a | b | c |
|---|---|---|
| $3$ | $4$ | $-1$ |
| d | e | f |
| $1$ | $-120$ | $120$ |

**4** What is the value of this equation when x=5, d=-2

$$-\frac{4x^2}{5d}$$

| a | b | c |
|---|---|---|
| $-3$ | $10$ | $-10$ |
| d | e | f |
| $-120$ | $4$ | $120$ |

**5** What is the value of this equation when n=4, c=-4

$$\frac{6n^2}{3c}$$

| a | b | c |
|---|---|---|
| $-144$ | $4$ | $-8$ |
| d | e | f |
| $-4$ | $144$ | $84$ |

**6** What is the value of this equation when x=4, d=-4

$$-\frac{5x^2}{4d}$$

| a | b | c |
|---|---|---|
| $144$ | $1$ | $-5$ |
| d | e | f |
| $-144$ | $-2$ | $5$ |

**7** What is the value of this equation when r=-4, d=-2

$$\frac{6r^2}{2d}$$

| a | b | c |
|---|---|---|
| $-24$ | $92$ | $-3$ |
| d | e | f |
| $-4$ | $-104$ | $104$ |