Substitution

$a = 2 \qquad b = 3 \qquad c = 4$

abc

$\frac{bc}{a}$

$\frac{a+c}{b}$

$a(b+c)$

$ab+c$

a^2+b^2

$(a+b)^2$

b^2+c

$\left(\frac{c}{a}\right)^b$

$5(a+b+c)$

$\sqrt{a+b+c}$

$5a+bc$

$5a+b+c$

Substitution - Answers

$a = 2 \qquad b = 3 \qquad c = 4$

abc **24**

$\frac{bc}{a}$ **6**

$\frac{a+c}{b}$ **2**

$a(b+c)$ **14**

$ab+c$ **10**

a^2+b^2 **13**

$(a+b)^2$ **25**

b^2+c **13**

$\left(\frac{c}{a}\right)^b$ **8**

$5(a+b+c)$ **45**

$\sqrt{a+b+c}$ **3**

$5a+bc$ **22**

$5a+b+c$ **17**

Substitution Involving Negatives

$a = -2 \qquad b = 3 \qquad c = -4$

abc

$\frac{bc}{a}$

$\frac{a+c}{b}$

$a(b+c)$

$ab+c$

a^2+b^2

$(a+b)^2$

b^2+c

$\left(\frac{c}{a}\right)^b$

$5(a+b+c)$

$\sqrt{b+c-a}$

$5a+bc$

$5a+b+c$

Substitution - Answers

$a = -2 \qquad b = 3 \qquad c = -4$

abc **24**

$\frac{bc}{a}$ **6**

$\frac{a+c}{b}$ **-2**

$a(b+c)$ **2**

$ab+c$ **-10**

a^2+b^2 **13**

$(a+b)^2$ **1**

b^2+c **5**

$\left(\frac{c}{a}\right)^b$ **8**

$5(a+b+c)$ **-15**

$\sqrt{b+c-a}$ **1**

$5a+bc$ **-22**

$5a+b+c$ **-11**

$$V = IR$$

$$F = ma$$

$$2\pi r$$

$$\pi r^2$$

$$\frac{4}{3}\pi r^3$$

$$v = u + at$$

$$v^2 = u^2 + 2as$$

$$\frac{bh}{2}$$

$$\frac{h(a+b)}{2}$$

$$\frac{1}{R_T} = \frac{1}{R_1} + \frac{1}{R_2} \ldots$$

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$e = mc^2$$