

## Changing the subject.

Q1  $r = \frac{st}{q}$

$$\frac{st}{q} = r$$

$$st = rq$$

$$s = \frac{rq}{t}$$

Q2  $r = 3p + 2t$

$$3p + 2t = r$$

$$3p = r - 2t$$

$$p = \frac{r - 2t}{3}$$

Q3  $y = ax^2 + c$

$$ax^2 + c = y$$

$$ax^2 = y - c$$

$$x^2 = \frac{y - c}{a}$$

$$x = \sqrt{\frac{y - c}{a}}$$

Q4  $m = \frac{3x + 2y}{p}$

$$\frac{3x + 2y}{p} = m$$

$$3x + 2y = mp$$

$$3x = mp - 2y$$

$$x = \frac{mp - 2y}{3}$$

Q5  $P = R^2B - 5$

$$R^2B - 5 = P$$

$$R^2B = P + 5$$

$$R^2 = \frac{P + 5}{B}$$

$$R = \sqrt{\frac{P + 5}{B}}$$

Q6  $p = q + 2r^2$

$$2r^2 + q = p$$

$$2r^2 = p - q$$

$$r^2 = \frac{p - q}{2}$$

$$r = \sqrt{\frac{p - q}{2}}$$

Q7  $\frac{x}{c} + a = b$

$$\frac{x}{c} = b - a$$

$$x = \underline{\underline{c(b - a)}}$$

$$8. k = \frac{m^2 n}{p}$$

$$\frac{m^2 n}{p} = k$$

$$m^2 n = kp$$

$$m^2 = \frac{kp}{n}$$

$$m = \sqrt{\frac{kp}{n}}$$

$$9. p = q + \sqrt{a}$$

$$q + \sqrt{a} = p$$

$$\sqrt{a} = p - q$$

$$a = (p - q)^2$$