N5 Maths: Changing the Subject

Answers

Q1

a) $x = t - y$ **b)** $x = a + b$ **c)** $x = 2c + d$

d) $x = -e$ **e)** $x = f - g$ **f)** $x = \frac{1}{3}y$ or $x = \frac{y}{3}$

g) $x = \frac{a}{b}$ **h)** $x = \frac{y}{ab}$ **i)** $x = an$

j) $x = \pm\sqrt{y}$ **k)** $x = g^2$ **l)** $x = a(b + c)$ or $x = ab + ac$

m) $x = \frac{y}{a^2}$ **n)** $x = p^2q^2$ or $x = (pq)^2$ **o)** $x = A^3$

Q2

a) $x = \frac{t - y}{2}$ or $x = \frac{1}{2}(t - y)$ **b)** $x = \frac{a + b}{u}$ **c)** $x = a(v - 2u)$ or $x = av - 2au$

d) $x = n(de + 3f)$ or $x = den + 3fn$ **e)** $x = \frac{j - h}{i}$ **f)** $x = \frac{b - y}{a}$

g) $x = \frac{y - a}{b}$ **h)** $x = \frac{an}{g}$ **i)** $x = \frac{a}{b}$

j) $x = \pm\sqrt{\frac{y}{a}}$ **k)** $x = \sqrt[3]{\frac{y}{a^2}}$ **l)** $x = \pm\sqrt{an}$

m) $x = \frac{R^2}{h^2}$ or $x = \left(\frac{R}{h}\right)^2$ **n)** $x = a^2t^2$ or $x = (at)^2$ **o)** $x = \frac{p^2}{q^2}$ or $x = \left(\frac{p}{q}\right)^2$

Q3

a) $x = p^2 - d$ **b)** $x = \pm\sqrt{\frac{Q + a}{r}}$ **c)** $x = e^2(n + 2u)^2$

d) $x = \frac{g}{a + b}$ **e)** $x = \frac{g}{a + b}$ **f)** $x = \frac{F^2 + y}{2}$

g) $x = 2y - 3$ **h)** $x = \pm\sqrt{p^2 + 1}$ **i)** $x = \left(\frac{r - b}{a}\right)^2$

j) $x = \pm\sqrt{\frac{s - ij}{2k}}$ **k)** $x = \frac{4y}{3}$ **l)** $x = Cd - w^2$

m) $x = \frac{L^2 + m}{4}$ **n)** $x = \frac{(uw)^2}{y}$ or $x = \frac{u^2w^2}{y}$ **o)** $x = \frac{T^3 - d}{5}$

p) $x = \frac{y - b + am}{m}$ **q)** $x = \frac{360A}{\pi r^2}$ **r)** $x = \frac{e^2 - f^2}{2g}$

s) $x = \frac{2A - hy}{h}$ **t)** $x = (n^2 + 2nt)^2$ **u)** $x = \sqrt[3]{\frac{4h + 4v}{g^2}}$

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