

Workout

Question 1:

(a) $y = c - w$

(b) $y = m + p$

(c) $y = s - m$

(d) $y = n + 2g$

(e) $y = \frac{c}{3}$

(f) $y = \frac{w}{a}$

(g) $y = cw$

(h) $y = 2ac$

(i) $y = a - p$

(j) $y = c + k$

(k) $y = \sqrt{s}$

(l) $y = \sqrt[3]{x}$

(m) $y = g^2$

(n) $y = \frac{c}{\pi}$

(o) $y = n - t$

(p) $y = \frac{c}{r}$

(q) $y = \frac{b}{4\pi}$

(r) $y = c + r - 7t$

(s) $y = \frac{r}{w}$

(t) $y = \sqrt{k + x}$

(u) $y = \frac{A}{x}$

Question 2:

(a) $x = \frac{w - c}{4}$

(b) $x = \frac{8 + t}{d}$

(c) $x = \sqrt{h - 3}$

(d) $x = \frac{P - 2y}{2}$

(e) $x = \sqrt{s + 3}$

(f) $x = \frac{y - s}{z}$

(g) $x = n(w - 2)$

(h) $x = 6(w + 5)$

(i) $x = ch - 3$

(j) $x = \frac{3y - 1}{4}$

(k) $x = \sqrt{v - a}$

(l) $x = \sqrt[3]{5y + 4}$

(m) $x = 2cm - t$

(n) $x = 3uz - w$

(o) $x = \sqrt{\frac{A}{\pi}}$

(p) $x = \frac{2A}{b}$

(q) $x = \frac{V}{ab}$

(r) $x = \frac{v^2 - u^2}{2a}$

(s) $x = \frac{a + b}{r}$

(t) $x = \frac{ab}{5c}$

(u) $x = kw^3$

Question 3:

(a) $c = \sqrt{t} - a$

(b) $c = \frac{v - u}{a}$

(c) $c = \sqrt{\frac{v}{\pi h}}$

Apply

Question 1: $r = \frac{c}{2\pi}$

Question 2: $F = \frac{9}{5}C + 32$

Question 3(a): the a should be subtracted from both sides before square rooting

Question 3(b): the first step is correct, but then both sides should be multiplied by 4.