

$$a) m = 30 + 2p, p$$

$$m - 30 = 30 - 30 + 2p$$

$$\frac{2p}{2} = \frac{m-30}{2}$$

$$p = \frac{m-30}{2}$$

$$b) a = 3c - 4, c$$

$$a + 4 = 3c - 4 + 4$$

$$\frac{3c}{3} = \frac{a+4}{3}$$

$$c = \frac{a+4}{3}$$

$$c) p = 2a + 2b, b$$

$$p - 2a = 2a - 2a + 2b$$

$$\frac{2b}{2} = \frac{p-2a}{2}$$

$$b = \frac{p-2a}{2}$$

$$d) f = 3c - 4, c$$

$$f + 4 = 3c - 4 + 4$$

$$\frac{3c}{3} = \frac{f+4}{3}$$

$$c = \frac{f+4}{3}$$

$$e) u = 7t + 30, t$$

$$u - 30 = 7t + 30 - 30$$

$$\frac{7t}{7} = \frac{u-30}{7}$$

$$t = \frac{u-30}{7}$$

$$f) x = 3y + 2, y$$

$$x - 2 = 3y + 2 - 2$$

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

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

$$g) v = u + 5t, t$$

$$v - u = u - u + 5t$$

$$\frac{5t}{5} = \frac{v-u}{5}$$

$$t = \frac{v-u}{5}$$

$$h) y = \frac{1}{2}x + 1, x$$

$$y - 1 = \frac{1}{2}x + 1 - 1$$

$$y - 1 \times 2 = \frac{x}{2} \times 2$$

$$x = 2y - 2$$

$$i) s = \frac{a}{4} + 8u, a$$

$$s - 8u = \frac{a}{4} + 8u - 8u$$

$$s - 8u \times 4 = \frac{a}{4} \times 4$$

$$a = 4s - 32u$$

$$j) D = ut + kt^2, u$$

$$D - kt^2 = ut + kt^2 - kt^2$$

$$\frac{ut}{t} = \frac{D-kt^2}{t}$$

$$u = \frac{D-kt^2}{t}$$

$$k) v^2 = u^2 + 2as, s$$

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

$$\frac{2as}{2a} = \frac{v^2 - u^2}{2a}$$

$$s = \frac{v^2 - u^2}{2a}$$

$$l) 2(t-5) = y, t$$

$$2t - 10 = y$$

$$2t - 10 + 10 = y + 10$$

$$\frac{2t}{2} = \frac{y+10}{2}$$

$$t = \frac{y+10}{2}$$

$$m) m = 5n - 21, n$$

$$m + 21 = 5n - 21 + 21$$

$$\frac{m+21}{5} = \frac{5n}{5}$$

$$n = \frac{m+21}{5}$$

$$n) p = 2q - 10, q$$

$$p + 10 = 2q - 10 + 10$$

$$\frac{p+10}{2} = \frac{2q}{2}$$

$$q = \frac{p+10}{2}$$

$$o) d = \sqrt{\frac{3h}{2}}, h$$

$$2 \times d^2 = \frac{3h}{2} \times 2$$

$$\frac{2d^2}{2} = \frac{3h}{2}$$

$$h = \frac{2d^2}{3}$$

Good!

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4(S-8u)