



Algebra, Equation, Solving

Name _____

Date _____

Solve these equations for the required variable

(1) $-4n + 19c - 16d = -12$

Solve for c

(2) $6v - 2h - 4x = 14$

Solve for v

(3) $-13x - 16z - 16b = 5$

Solve for x

(4) $15v - 17c + 7t = 13$

Solve for t

(5) $-13h - 15y - 12v = 7$

Solve for y

(6) $2v + 19x + 5z = 20z$

Solve for v

(7) $9n - y + 20d = 6$

Solve for d

(8) $8w + 8p + 3u = 6p$

Solve for w

(9) $18p + 8a - 7b = -8p$

Solve for p

(10) $u + 3m - 12c = -7$

Solve for c

(11) $-t - 7b + 2h = 18$

Solve for t

(12) $11t + 20n + 19h = 4$

Solve for t



Answers

Solve these equations for the required variable

$$(1) \quad -4n + 19c - 16d = -12$$

$$c = \frac{-12 + 4n + 16d}{19}$$

$$(2) \quad 6v - 2h - 4x = 14$$

$$v = \frac{7 + h + 2x}{3}$$

$$(3) \quad -13x - 16z - 16b = 5$$

$$x = \frac{-5 - 16z - 16b}{13}$$

$$(4) \quad 15v - 17c + 7t = 13$$

$$t = \frac{13 - 15v + 17c}{7}$$

$$(5) \quad -13h - 15y - 12v = 7$$

$$y = \frac{-7 - 13h - 12v}{15}$$

$$(6) \quad 2v + 19x + 5z = 20z$$

$$v = \frac{15z - 19x}{2}$$

$$(7) \quad 9n - y + 20d = 6$$

$$d = \frac{6 - 9n + y}{20}$$

$$(8) \quad 8w + 8p + 3u = 6p$$

$$w = \frac{-2p - 3u}{8}$$

$$(9) \quad 18p + 8a - 7b = -8p$$

$$p = \frac{-8a + 7b}{26}$$

$$(10) \quad u + 3m - 12c = -7$$

$$c = \frac{7 + u + 3m}{12}$$

$$(11) \quad -t - 7b + 2h = 18$$

$$t = -18 - 7b + 2h$$

$$(12) \quad 11t + 20n + 19h = 4$$

$$t = \frac{4 - 20n - 19h}{11}$$