Rearranging Formulae when the Subject Appears Twice

Make x the subject of each formula:

(a) $ax = bx + c$

(b) $ax = bx - c$

(c) $ax + c = bx + 2$

(d) $ax - d = bx + c$

(e) $ax - 2 = d - bx$

Make x the subject of each formula:

(a) $a = \frac{bx}{x-2}$

(b) $2 = \frac{bx}{a+x}$

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

(d) $2a = \frac{x}{x-1}$

Make x the subject of each formula:

(a) $a(x + 2) = bx - c$

(b) $a(b - x) = c(x + d)$

(c) $2b = \frac{x-a}{c+x}$

(d) $a = \frac{x+b}{x-b}$

Make x the subject of each formula:

(a) $d = \sqrt{\frac{x-c}{x}}$

(b) $bx = c + \frac{x}{a}$

(c) $x = \sqrt{\frac{a+x^2}{b}}$

(d) $bx^3 = \frac{a^2-x^3}{c}$

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