Solving Equations with Unknowns on Both Sides

Solve these equations.
(a) $5x = 2x + 18$
(b) $6x = x + 10$
(c) $8x = 2x + 30$
(d) $7x = 3x - 16$
(e) $5x = 3x + 11$

(a) $x = 6$
(b) $x = 2$
(c) $x = 5$
(d) $x = -4$
(e) $x = \frac{11}{2}$

Solve these equations.
(a) $5x - 14 = 3x$
(b) $7x - 6 = 4x$
(c) $2x - 7 = x$
(d) $7x + 4 = 5x$
(e) $6x + 15 = 4x$

(a) $x = 7$
(b) $x = 2$
(c) $x = 7$
(d) $x = -2$
(e) $x = \frac{-15}{2}$

Solve these equations.
(a) $2x - 3 = 5x$
(b) $3x + 11 = 4x$
(c) $5x - 12 = 8x$
(d) $44 + 3x = 7x$
(e) $x - 9 = 2x$

(a) $x = -1$
(b) $x = 11$
(c) $x = -4$
(d) $x = 11$
(e) $x = -9$

Solve these equations.
(a) $25 - 2x = 3x$
(b) $4x = 7 - 3x$
(c) $-6x = 15 - x$
(d) $20 - 6x = 2x$
(e) $35 - 4.5x = 0.5x$
(f) $-4x + 11 = x$
(g) $3.5x = 16.5 - 2x$
(h) $43 - x = 3x$
(i) $7x = -5x + 6$
(j) $-9 - 4x = -2x$

(a) $x = 5$
(b) $x = 1$
(c) $x = -3$
(d) $x = \frac{5}{2}$
(e) $x = 7$
(f) $x = \frac{11}{5}$
(g) $x = 3$
(h) $x = \frac{43}{4}$
(i) $x = \frac{1}{2}$
(j) $x = \frac{-9}{2}$