Solving Equations II (two operations)

Calculator not permitted.

Solve the following equations:

1. (a) $4a + 2 = 14$
   (b) $9c - 3 = 6$
   (c) $8a + 5 = 21$
   (d) $3a + 1 = 10$
   (e) $4s + 3 = 5$
   (f) $5t - 7 = 28$
2. (a) $\frac{x}{2} + 4 = 7$
   (b) $\frac{y}{4} + 2 = 5$
   (c) $\frac{a}{3} - 6 = 12$
   (d) $\frac{d}{5} + 32 = 37$
   (e) $\frac{s}{2} + 9 = 12$
   (f) $\frac{r}{7} + 2 = 2$
3. (a) $4(x - 2) = 12$
   (b) $6(a + 3) = 18$
   (c) $7(4 + t) = 63$
   (d) $3(e - 2) = 9$
   (e) $8(w - 2) = 64$
   (f) $2(4 + r) = 26$
4. (a) $\frac{x + 2}{3}$
   (b) $\frac{y - 6}{2}$
   (c) $\frac{e + 1}{2}$
   (d) $\frac{8 + d}{5}$
   (e) $\frac{f - 5}{9}$
   (f) $\frac{q - 10}{10}$
5. (a) $3a - 2 = 10$
   (b) $5(x - 3) = 20$
   (c) $\frac{x}{4} - 3 = 1$
   (d) $\frac{x + 2}{4} = 1$
   (e) $6a - 7 = 23$
   (f) $\frac{x}{3} + 1 = 10$
   (g) $3a - 8 = 13$
   (h) $5(x + 3) = 25$
   (i) $\frac{x + 1}{2} = 4$
   (j) $2(x + 2) = 22$
   (k) $2(x + 1) = 14$
   (l) $\frac{x - 1}{3} = 3$
   (m) $10a - 8 = 12$
   (n) $\frac{x}{5} + 14 = 20$
   (o) $\frac{x - 2}{2} = 5$