Solving Two-Step Equations

(a)	(b)	(c)	(d)
Solve $3x + 1 = 16$	Solve $5x + 4 = 19$	Solve $2x - 3 = 11$	Solve $9x - 2 = 16$

(e)	(f)	(g)	(h)
Solve $5 + 2x = 17$	Solve $11 + 3x = 17$	Solve $2x + 5 = 1$	Solve $7 + 4x = 3$

(i)	(j)	(k)	(l)
Solve $5 - 2x = 13$	Solve $4x - 1 = 1$	Ibby is solving the equation $2x - 6 = 8$	Esther is solving the equation $7 - 3x = 13$

(m)	(n)		
Solve $1 - 5x = 21$	Solve $3 + 10x = 5$		

(k) Ibby is solving the equation
$$2x - 6 = 8$$

Here is his working:
$$2x - 6 = 8$$
$$2x = 8 - 6$$
$$2x = 2$$
$$x = \frac{2}{2}$$
$$x = 1$$

What mistake has he made?

(l) Esther is solving the equation
$$7 - 3x = 13$$

Here is her working:
$$7 - 3x = 13$$
$$3x = 13 - 7$$
$$3x = 6$$
$$x = \frac{6}{3}$$
$$x = 2$$

What mistake has she made?