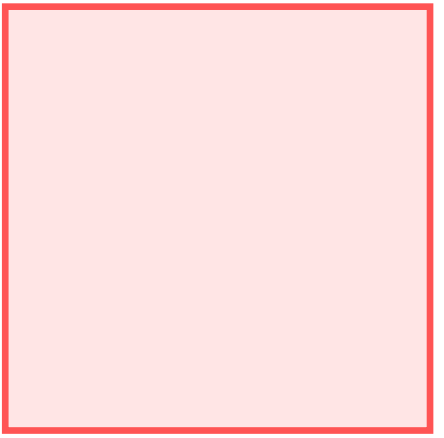
4. 

$9\,e+10\,w+7\,e-2\,w$

$2\,e+12\,w$

$16\,e+12\,w$

$16\,e+8\,w$

$17\,e+12\,w$

Solution

$$9\,e+10\,w+7\,e-2\,w$$
$$= (9\,e+7\,e)+(10\,w-2\,w)$$
$$= 16\,e+8\,w$$