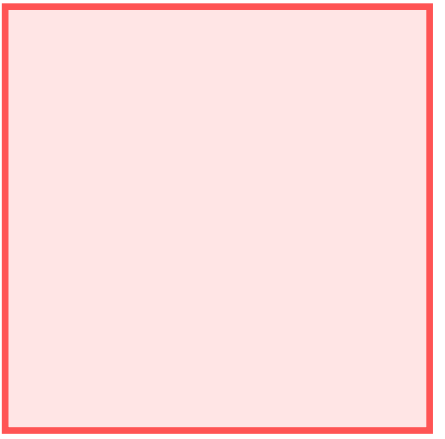
2. 

$8\,m+4\,f+7\,m-2\,f$

$6\,f+m$

$6\,f+15\,m$

$2\,f+15\,m$

$6\,f+16\,m$

Solution

$$8\,m+4\,f+7\,m-2\,f$$
$$=\ (8\,m+7\,m)+(4\,f-2\,f)$$
$$=\ 15\,m+2\,f$$