1) Solve each of the following pairs of equations by either adding or subtracting.
a $\quad x+y=10$
$2 x-y=8$
d $x+5 y=11$
$2 x+5 y=1$
g $-x-3 y=-9$
$x-2 y=1$
b $2 x-y=10$
$4 x+y=14$
e $x-2 y=6$
$3 x-2 y=2$
h $4 x-y=20$
$3 x-y=17$
c $3 x+y=-1$
$3 x-2 y=-7$
f $2 x+5 y=3$
$-2 x-y=-7$
i $6 x+5 y=9$
$x-5 y=19$
2) Solve each of the following pairs of equations by elimination.
a $\quad x-2 y=1$
b $4 x+3 y=11$
c $x-5 y=13$
d $2 x+y=10$
$3 x-4 y=26$
3) Pick six questions to solve. You must pick one from each row.

| $3 x-y=1$ | $2 x+3 y=8$ | $2 x-2 y=9$ | $5 x-3 y=5$ |
| :--- | :--- | :--- | :--- |
| $x+y=3$ | $2 x+y=-4$ | $4 x-2 y=16$ | $5 x+y=-5$ |
| $3 x+2 y=8$ | $3 x+y=9$ | $3 m-2 n=4$ | $3 a+4 b=6$ |
| $2 x-y=5$ | $x-2 y=10$ | $m+4 n=6$ | $3 b=7-a$ |
| $3 x-5 y=11$ | $4 x+5 y=-7$ | $7 x-3 y=-8$ | $2 x+5 y=0$ |
| $2 x+3 y=1$ | $3 x+2 y=-7$ | $2 x+4 y=-12$ | $3 x-8 y=31$ |
| $2 x-3 y=-27$ | $3 x+4 y=-4$ | $5 p-4 q=22$ | $2 f-3 g=6$ |
| $3 x+2 y=-8$ | $7 x+6 y=-11$ | $3 p+5 q=-9$ | $5 f-4 g=1$ |

4) Charlie is making costumes for a school show.

One day he made 2 cloaks and 3 dresses.
The total amount of material he used was 9.6 square metres.
(a) Write down an equation to illustrate this information.
(b) The following day Charlie made 3 cloaks and 4 dresses.

The total amount of material he used was 13.3 square metres.
Write down an equation to illustrate this information.
1
(c) Calculate the amount of material required to make one cloak and the amount of material required to make one dress.

