## Question 1 [25 marks]

0: $7-14=-7$
1: $3-16=-13$
2: $1-10=-9$
3: $9-13=-4$
4: $5-12=-7$
5: $4-12=-8$
6: $3-12=-9$
7: $4-15=-11$
8: $8-10=-2$
9: $9-13=-4$
10: $6-13=-7$
11: $7-14=-7$
12: $1-16=-15$
13: $3-20=-17$
14: $7-10=-3$
15: $3-17=-14$
16: $7-16=-9$
17: $10-13=-3$
18: $2-15=-13$
19: $3-19=-16$
20: $2-13=-11$
21: $7-14=-7$
22: $9-18=-9$
23: $10-18=-8$
24: $1-12=-11$
25: $10-16=-6$

## Question 2

0: $2-16=-14$
1: $5-17=-12$
2: $8-20=-12$
3: $10-20=-10$
4: $1-15=-14$
5: $9-19=-10$
6: $6-16=-10$
7: $8-11=-3$
8: $3-18=-15$
9: $8-16=-8$
10: $8-14=-6$
11: $5-10=-5$
12: $1-11=-10$
13: $9-11=-2$
14: $9-13=-4$
15: $1-16=-15$
16: $6-14=-8$
17: $9-10=-1$
18: $10-12=-2$
19: $6-12=-6$
20: $5-14=-9$
21: $9-11=-2$
22: $1-15=-14$
23: $2-13=-11$
24: $9-16=-7$
25: $10-10=0$

## Question 3 [25 marks]

0: $6-12=-6$
1: $3-19=-16$
2: $8-19=-11$
3: $1-15=-14$
4: $2-15=-13$
5: $2-11=-9$
6: $10-17=-7$
7: $2-18=-16$
8: $2-12=-10$
9: $5-13=-8$
10: $7-12=-5$
11: $3-16=-13$
12: $9-13=-4$
13: $9-14=-5$
14: $8-10=-2$
15: $4-18=-14$
16: $7-11=-4$
17: $1-11=-10$
18: $3-20=-17$
19: $6-13=-7$
20: $10-16=-6$
21: $9-19=-10$
22: $7-10=-3$
23: $3-13=-10$
24: $5-16=-11$
25: $10-20=-10$

## Question 4

0: $10-19=-9$
1: $8-15=-7$
2: $9-12=-3$
3: $2-10=-8$
4: $6-19=-13$
5: $8-16=-8$
6: $5-11=-6$
7: $7-19=-12$
8: $10-13=-3$
9: $7-10=-3$
10: $10-20=-10$
11: $9-18=-9$
12: $6-12=-6$
13: $10-18=-8$
14: $1-10=-9$
15: $4-18=-14$
16: $10-16=-6$
17: $1-18=-17$
18: $1-16=-15$
19: $3-11=-8$
20: $5-17=-12$
21: $9-15=-6$
22: $6-18=-12$
23: $10-18=-8$
24: $10-13=-3$
25: $2-12=-10$

## Question 5 [25 marks]

$0:(-4)+4=0$
1: $(-5)+10=5$
2: $(-1)+10=9$
3: $(-9)+5=-4$
4: $(-6)+9=3$
5: $(-10)+6=-4$
$6:(-4)+4=0$
7: $(-2)+8=6$
8: $(-5)+10=5$
$9:(-4)+1=-3$
10: $(-3)+8=5$
11: $(-2)+2=0$
12: $(-4)+8=4$
13: $(-10)+8=-2$
14: $(-5)+10=5$
15: $(-8)+6=-2$
16: $(-7)+4=-3$
17: $(-6)+8=2$
18: $(-2)+7=5$
19: $(-6)+10=4$
20: $(-10)+9=-1$
21: $(-5)+2=-3$
22: $(-1)+2=1$
23: $(-7)+2=-5$
24: $(-4)+8=4$
25: $(-3)+5=2$

## Question 6

[25 marks]
$0:(-6)+3=-3$
1: $(-6)+1=-5$
2: $(-4)+9=5$
3: $(-9)+6=-3$
4: $(-8)+4=-4$
5: $(-10)+3=-7$
6: $(-8)+1=-7$
7: $(-6)+9=3$
8: $(-4)+9=5$
9: $(-7)+3=-4$
10: $(-5)+2=-3$
11: $(-8)+6=-2$
12: $(-4)+7=3$
13: $(-8)+7=-1$
14: $(-8)+7=-1$
15: $(-4)+10=6$
16: $(-2)+1=-1$
17: $(-4)+7=3$
18: $(-3)+6=3$
19: $(-8)+7=-1$
20: $(-4)+5=1$
21: $(-4)+1=-3$
22: $(-1)+5=4$
23: $(-5)+9=4$
24: $(-5)+8=3$
25: $(-4)+2=-2$

## Question 7

0: $(-1)+3=2$
1: $(-2)+4=2$
2: $(-5)+9=4$
3: $(-5)+3=-2$
4: $(-3)+8=5$
5: $(-6)+9=3$
6: $(-1)+10=9$
7: $(-4)+7=3$
$8:(-8)+1=-7$
9: $(-8)+9=1$
10: $(-10)+1=-9$
11: $(-6)+2=-4$
12: $(-4)+1=-3$
13: $(-6)+7=1$
14: $(-7)+9=2$
15: $(-10)+8=-2$
16: $(-2)+3=1$
17: $(-10)+5=-5$
18: $(-3)+1=-2$
19: $(-1)+2=1$
20: $(-2)+1=-1$
21: $(-9)+8=-1$
22: $(-6)+7=1$
23: $(-10)+2=-8$
24: $(-3)+3=0$
$25:(-5)+6=1$
[25 marks]

## Question 8

[25 marks]
$0:(-8)+4=-4$
1: $(-5)+5=0$
2: $(-1)+9=8$
$3:(-4)+7=3$
4: $(-4)+1=-3$
5: $(-7)+1=-6$
6: $(-3)+2=-1$
7: $(-9)+10=1$
8: $(-7)+5=-2$
9: $(-1)+4=3$
10: $(-5)+10=5$
11: $(-7)+9=2$
12: $(-8)+2=-6$
13: $(-1)+10=9$
14: $(-9)+1=-8$
15: $(-5)+7=2$
16: $(-9)+6=-3$
17: $(-5)+5=0$
18: $(-8)+10=2$
19: $(-5)+10=5$
20: $(-2)+1=-1$
21: $(-1)+10=9$
22: $(-9)+5=-4$
23: $(-8)+1=-7$
24: $(-2)+3=1$
25: $(-10)+7=-3$

## Question 9 [25 marks]

0: $(-5)+5=0$
1: $(-2)+2=0$
2: $(-1)+10=9$
3: $(-5)+2=-3$
4: $(-10)+1=-9$
5: $(-10)+7=-3$
6: $(-4)+8=4$
7: $(-9)+8=-1$
$8:(-3)+6=3$
9: $(-1)+2=1$
10: $(-4)+2=-2$
11: $(-9)+8=-1$
12: $(-4)+3=-1$
13: $(-1)+10=9$
14: $(-5)+1=-4$
15: $(-5)+6=1$
16: $(-1)+8=7$
17: $(-2)+1=-1$
18: $(-9)+6=-3$
19: $(-1)+2=1$
20: $(-3)+9=6$
21: $(-5)+5=0$
22: $(-10)+1=-9$
23: $(-3)+7=4$
24: $(-9)+5=-4$
25: $(-10)+6=-4$

## Question 10

$0:(-10)+8=-2$
1: $(-8)+5=-3$
2: $(-7)+7=0$
$3:(-3)+4=1$
4: $(-4)+6=2$
5: $(-2)+9=7$
6: $(-4)+6=2$
$7:(-5)+10=5$
8: $(-8)+4=-4$
9: $(-9)+3=-6$
10: $(-9)+3=-6$
11: $(-9)+1=-8$
12: $(-2)+9=7$
13: $(-9)+4=-5$
14: $(-3)+4=1$
15: $(-10)+9=-1$
16: $(-9)+3=-6$
17: $(-5)+6=1$
18: $(-6)+9=3$
19: $(-3)+1=-2$
20: $(-2)+8=6$
21: $(-6)+9=3$
22: $(-2)+6=4$
23: $(-7)+9=2$
24: $(-4)+5=1$
$25:(-1)+10=9$

## Question 11 [25 marks]

$0: 1+(-1)=0$
1: $3+(-1)=2$
2: $6+(-6)=0$
3: $5+(-9)=-4$
4: $1+(-6)=-5$
5: $2+(-6)=-4$
6: $1+(-8)=-7$
7: $10+(-3)=7$
8: $7+(-5)=2$
9: $9+(-3)=6$
10: $10+(-3)=7$
11: $10+(-2)=8$
12: $1+(-6)=-5$
13: $3+(-3)=0$
14: $6+(-10)=-4$
15: $2+(-2)=0$
16: $8+(-7)=1$
17: $9+(-8)=1$
18: $10+(-4)=6$
19: $2+(-3)=-1$
20: $3+(-5)=-2$
21: $1+(-3)=-2$
22: $7+(-7)=0$
23: $6+(-10)=-4$
24: $7+(-10)=-3$
25: $2+(-7)=-5$

## Question 12

$0: 3+(-3)=0$
1: $9+(-2)=7$
2: $8+(-3)=5$
3: $2+(-3)=-1$
4: $3+(-1)=2$
5: $7+(-2)=5$
6: $1+(-3)=-2$
7: $8+(-3)=5$
$8: 7+(-10)=-3$
9: $10+(-3)=7$
10: $5+(-7)=-2$
11: $4+(-4)=0$
12: $6+(-3)=3$
13: $7+(-9)=-2$
14: $1+(-4)=-3$
15: $4+(-7)=-3$
16: $9+(-6)=3$
17: $8+(-10)=-2$
18: $1+(-6)=-5$
19: $10+(-3)=7$
20: $2+(-10)=-8$
21: $1+(-6)=-5$
22: $8+(-7)=1$
23: $9+(-5)=4$
24: $3+(-6)=-3$
25: $10+(-9)=1$

## Question 13

$0: 6+(-6)=0$
1: $6+(-2)=4$
2: $2+(-3)=-1$
3: $10+(-5)=5$
4: $4+(-6)=-2$
$5: 8+(-8)=0$
6: $4+(-4)=0$
7: $4+(-5)=-1$
8: $9+(-6)=3$
9: $1+(-6)=-5$
10: $1+(-7)=-6$
11: $2+(-6)=-4$
12: $5+(-6)=-1$
13: $5+(-4)=1$
14: $9+(-4)=5$
15: $4+(-8)=-4$
16: $5+(-2)=3$
17: $7+(-7)=0$
18: $3+(-8)=-5$
19: $2+(-3)=-1$
20: $3+(-5)=-2$
21: $1+(-3)=-2$
22: $10+(-6)=4$
23: $5+(-2)=3$
24: $9+(-4)=5$
25: $4+(-3)=1$
[25 marks]

## Question 14

$0: 5+(-10)=-5$
1: $1+(-10)=-9$
2: $1+(-7)=-6$
3: $10+(-3)=7$
4: $10+(-4)=6$
5: $10+(-4)=6$
6: $2+(-10)=-8$
7: $10+(-9)=1$
$8: 10+(-3)=7$
9: $1+(-1)=0$
10: $6+(-9)=-3$
11: $1+(-2)=-1$
12: $6+(-1)=5$
13: $4+(-4)=0$
14: $5+(-10)=-5$
15: $5+(-1)=4$
16: $10+(-10)=0$
17: $10+(-7)=3$
18: $7+(-3)=4$
19: $2+(-7)=-5$
20: $6+(-3)=3$
21: $10+(-2)=8$
22: $4+(-1)=3$
23: $10+(-2)=8$
24: $8+(-9)=-1$
25: $10+(-6)=4$

## Question 15

$0: 1+(-7)=-6$
1: $9+(-10)=-1$
2: $9+(-4)=5$
3: $2+(-7)=-5$
4: $1+(-5)=-4$
5: $10+(-4)=6$
6: $5+(-4)=1$
7: $5+(-1)=4$
$8: 3+(-9)=-6$
9: $4+(-8)=-4$
10: $10+(-7)=3$
11: $1+(-7)=-6$
12: $4+(-4)=0$
13: $5+(-2)=3$
14: $9+(-7)=2$
15: $4+(-6)=-2$
16: $8+(-3)=5$
17: $8+(-7)=1$
18: $2+(-10)=-8$
19: $7+(-10)=-3$
20: $3+(-9)=-6$
21: $6+(-10)=-4$
22: $3+(-9)=-6$
23: $4+(-5)=-1$
24: $2+(-4)=-2$
25: $4+(-9)=-5$
[25 marks]
Question 16
[25 marks]
0: $9+(-10)=-1$
1: $7+(-9)=-2$
2: $7+(-1)=6$
3: $3+(-4)=-1$
4: $6+(-4)=2$
5: $8+(-3)=5$
6: $7+(-4)=3$
7: $3+(-6)=-3$
$8: 6+(-5)=1$
9: $8+(-2)=6$
10: $8+(-6)=2$
11: $4+(-8)=-4$
12: $1+(-6)=-5$
13: $5+(-10)=-5$
14: $4+(-1)=3$
15: $4+(-4)=0$
16: $5+(-5)=0$
17: $6+(-4)=2$
18: $1+(-4)=-3$
19: $1+(-8)=-7$
20: $1+(-3)=-2$
21: $8+(-8)=0$
22: $1+(-9)=-8$
23: $10+(-9)=1$
24: $2+(-7)=-5$
25: $1+(-10)=-9$

## Question 17

[25 marks]
0: $(-6)-1=-7$
1: $(-6)-5=-11$
2: $(-5)-5=-10$
3: $(-10)-3=-13$
4: $(-8)-6=-14$
5: $(-4)-7=-11$
6: $(-5)-5=-10$
7: $(-7)-10=-17$
$8:(-9)-7=-16$
9: $(-8)-5=-13$
10: $(-3)-8=-11$
11: $(-10)-4=-14$
12: $(-9)-4=-13$
13: $(-6)-2=-8$
14: $(-10)-5=-15$
15: $(-8)-6=-14$
16: $(-3)-2=-5$
17: $(-3)-8=-11$
18: $(-6)-2=-8$
19: $(-4)-9=-13$
20: $(-5)-10=-15$
21: $(-4)-6=-10$
22: $(-9)-7=-16$
23: $(-6)-4=-10$
24: $(-5)-9=-14$
25: $(-6)-5=-11$

## Question 18

$0:(-4)-3=-7$
1: $(-9)-7=-16$
2: $(-1)-2=-3$
3: $(-8)-10=-18$
4: $(-7)-10=-17$
5: $(-1)-8=-9$
6: $(-9)-3=-12$
7: $(-1)-6=-7$
8: $(-8)-10=-18$
9: $(-9)-4=-13$
10: $(-10)-10=-20$
11: $(-6)-10=-16$
12: $(-6)-8=-14$
13: $(-1)-3=-4$
14: $(-10)-2=-12$
15: $(-9)-4=-13$
16: $(-2)-7=-9$
17: $(-2)-7=-9$
18: $(-6)-4=-10$
19: $(-7)-6=-13$
20: $(-3)-7=-10$
21: $(-5)-5=-10$
22: $(-5)-3=-8$
23: $(-8)-5=-13$
24: $(-10)-2=-12$
25: $(-9)-4=-13$

## Question 19 [25 marks]

0: $(-9)-6=-15$
1: $(-5)-3=-8$
2: $(-7)-8=-15$
3: $(-7)-3=-10$
4: $(-8)-10=-18$
5: $(-2)-4=-6$
6: $(-8)-6=-14$
7: $(-2)-5=-7$
8: $(-9)-10=-19$
9: $(-1)-5=-6$
10: $(-7)-1=-8$
11: $(-7)-3=-10$
12: $(-8)-7=-15$
13: $(-6)-1=-7$
14: $(-3)-4=-7$
15: $(-5)-8=-13$
16: $(-5)-8=-13$
17: $(-8)-6=-14$
18: $(-1)-5=-6$
19: $(-10)-7=-17$
20: $(-4)-3=-7$
21: $(-1)-7=-8$
22: $(-2)-6=-8$
23: $(-3)-9=-12$
24: $(-10)-2=-12$
25: $(-6)-7=-13$

## Question 20

[25 marks]
$0:(-2)-10=-12$
1: $(-1)-10=-11$
2: $(-8)-4=-12$
3: $(-6)-7=-13$
4: $(-6)-8=-14$
5: $(-6)-8=-14$
6: $(-10)-6=-16$
7: $(-6)-7=-13$
$8:(-7)-7=-14$
9: $(-1)-10=-11$
10: $(-8)-6=-14$
11: $(-3)-3=-6$
12: $(-7)-5=-12$
13: $(-4)-8=-12$
14: $(-4)-10=-14$
15: $(-8)-3=-11$
16: $(-1)-6=-7$
17: $(-3)-5=-8$
18: $(-10)-6=-16$
19: $(-10)-2=-12$
20: $(-3)-6=-9$
21: $(-4)-4=-8$
22: $(-3)-3=-6$
23: $(-1)-5=-6$
24: $(-2)-9=-11$
25: $(-7)-3=-10$

## Question 21 [25 marks]

$0:(-4)-10=-14$
1: $(-10)-10=-20$
2: $(-10)-9=-19$
3: $(-2)-5=-7$
4: $(-3)-5=-8$
5: $(-10)-6=-16$
6: $(-3)-1=-4$
7: $(-7)-1=-8$
$8:(-6)-7=-13$
9: $(-9)-4=-13$
10: $(-2)-5=-7$
11: $(-5)-3=-8$
12: $(-8)-9=-17$
13: $(-5)-7=-12$
14: $(-1)-5=-6$
15: $(-2)-5=-7$
16: $(-10)-3=-13$
17: $(-4)-5=-9$
18: $(-10)-6=-16$
19: $(-6)-2=-8$
20: $(-1)-10=-11$
21: $(-4)-3=-7$
22: $(-1)-2=-3$
23: $(-9)-8=-17$
24: $(-7)-1=-8$
25: $(-9)-6=-15$

## Question 22

$0:(-2)-6=-8$
1: $(-6)-3=-9$
2: $(-5)-4=-9$
3: $(-8)-6=-14$
4: $(-9)-7=-16$
5: $(-8)-10=-18$
6: $(-7)-4=-11$
7: $(-9)-1=-10$
8: $(-2)-1=-3$
9: $(-10)-9=-19$
10: $(-10)-10=-20$
11: $(-7)-8=-15$
12: $(-4)-5=-9$
13: $(-6)-2=-8$
14: $(-5)-9=-14$
15: $(-4)-3=-7$
16: $(-10)-7=-17$
17: $(-6)-3=-9$
18: $(-1)-8=-9$
19: $(-7)-6=-13$
20: $(-1)-3=-4$
21: $(-5)-8=-13$
22: $(-1)-2=-3$
23: $(-7)-3=-10$
24: $(-4)-7=-11$
25: $(-2)-1=-3$

## Question 23

0: $3-(-5)=8$
1: $1-(-6)=7$
2: $6-(-4)=10$
3: $7-(-9)=16$
4: $10-(-3)=13$
5: $4-(-5)=9$
6: $7-(-9)=16$
7: $6-(-6)=12$
8: $7-(-9)=16$
9: $3-(-10)=13$
10: $9-(-10)=19$
11: $2-(-2)=4$
12: $9-(-7)=16$
13: $3-(-6)=9$
14: $1-(-5)=6$
15: $4-(-7)=11$
16: $1-(-7)=8$
17: $2-(-4)=6$
18: $8-(-1)=9$
19: $2-(-3)=5$
20: $5-(-8)=13$
21: $6-(-4)=10$
22: $2-(-8)=10$
23: $2-(-2)=4$
24: $6-(-9)=15$
25: $8-(-4)=12$
[25 marks]
Question 24
0: $10-(-2)=12$
1: $7-(-10)=17$
2: $10-(-7)=17$
3: $6-(-7)=13$
4: $2-(-9)=11$
5: $10-(-1)=11$
6: $2-(-9)=11$
7: $10-(-7)=17$
8: $4-(-1)=5$
9: $4-(-8)=12$
10: $3-(-5)=8$
11: $9-(-9)=18$
12: $9-(-8)=17$
13: $8-(-4)=12$
14: $9-(-8)=17$
15: $4-(-6)=10$
16: $8-(-8)=16$
17: $4-(-7)=11$
18: $7-(-8)=15$
19: $9-(-5)=14$
20: $10-(-10)=20$
21: $9-(-5)=14$
22: $1-(-4)=5$
23: $2-(-3)=5$
24: $9-(-8)=17$
25: $1-(-2)=3$
sub_1to10_-10to-1

## Question 25

0: $2-(-6)=8$
1: $4-(-5)=9$
2: $9-(-6)=15$
3: $1-(-10)=11$
4: $3-(-4)=7$
5: $10-(-5)=15$
6: $10-(-7)=17$
7: $2-(-7)=9$
8: $7-(-4)=11$
9: $2-(-5)=7$
10: $1-(-5)=6$
11: $8-(-10)=18$
12: $9-(-10)=19$
13: $6-(-9)=15$
14: $10-(-7)=17$
15: $8-(-5)=13$
16: $10-(-7)=17$
17: $6-(-1)=7$
18: $2-(-4)=6$
19: $4-(-6)=10$
20: $4-(-10)=14$
21: $8-(-6)=14$
22: $2-(-7)=9$
23: $4-(-6)=10$
24: $1-(-8)=9$
25: $7-(-9)=16$
[25 marks]

## Question 26

0: $1-(-8)=9$
1: $4-(-8)=12$
2: $2-(-2)=4$
3: $9-(-3)=12$
4: $2-(-10)=12$
5: $8-(-9)=17$
$6: 4-(-4)=8$
7: $5-(-4)=9$
8: $10-(-6)=16$
9: $5-(-6)=11$
10: $8-(-9)=17$
11: $10-(-4)=14$
12: $2-(-8)=10$
13: $5-(-3)=8$
14: $7-(-4)=11$
15: $1-(-6)=7$
16: $10-(-3)=13$
17: $3-(-10)=13$
18: $2-(-1)=3$
19: $3-(-10)=13$
20: $9-(-4)=13$
21: $2-(-5)=7$
22: $3-(-7)=10$
23: $4-(-6)=10$
24: $6-(-3)=9$
25: $10-(-10)=20$

## Question 27

0: $5-(-6)=11$
1: $1-(-5)=6$
2: $9-(-2)=11$
3: $6-(-1)=7$
4: $2-(-3)=5$
5: $2-(-3)=5$
6: $9-(-7)=16$
7: $3-(-10)=13$
$8: 1-(-5)=6$
9: $1-(-6)=7$
10: $9-(-4)=13$
11: $2-(-1)=3$
12: $2-(-8)=10$
13: $6-(-6)=12$
14: $8-(-8)=16$
15: $3-(-6)=9$
16: $4-(-8)=12$
17: $9-(-5)=14$
18: $6-(-1)=7$
19: $7-(-2)=9$
20: $7-(-7)=14$
21: $8-(-1)=9$
22: $2-(-10)=12$
23: $8-(-8)=16$
24: $6-(-1)=7$
25: $9-(-3)=12$
[25 marks]

## Question 28

0: $5-(-9)=14$
1: $1-(-2)=3$
2: $8-(-2)=10$
3: $1-(-10)=11$
4: $4-(-1)=5$
5: $3-(-2)=5$
6: $8-(-3)=11$
7: $4-(-6)=10$
8: $7-(-9)=16$
9: $6-(-6)=12$
10: $7-(-1)=8$
11: $8-(-9)=17$
12: $3-(-1)=4$
13: $5-(-8)=13$
14: $8-(-9)=17$
15: $9-(-8)=17$
16: $5-(-9)=14$
17: $1-(-4)=5$
18: $1-(-6)=7$
19: $3-(-4)=7$
20: $7-(-5)=12$
21: $9-(-7)=16$
22: $2-(-4)=6$
23: $5-(-5)=10$
24: $5-(-4)=9$
25: $6-(-8)=14$

## Question 29 [25 marks]

0: $9+0=9$
1: $1+10=11$
2: $3+1=4$
$3:(-4)+0=-4$
4: $(-3)+5=2$
$5:(-5)+6=1$
6: $4+3=7$
7: $4+(-2)=2$
$8:(-1)+7=6$
9: $(-1)+(-3)=-4$
10: $(-3)+(-1)=-4$
11: $1+(-1)=0$
12: $1+(-9)=-8$
13: $4+(-10)=-6$
14: $6+(-6)=0$
15: $5+(-4)=1$
16: $(-9)+(-4)=-13$
17: $(-1)+(-1)=-2$
18: $(-1)+8=7$
19: $4+4=8$
20: $(-3)+(-2)=-5$
21: $6+(-10)=-4$
22: $3+(-10)=-7$
23: $(-7)+7=0$
24: $(-5)+(-2)=-7$
25: $(-7)+9=2$
add_-10to10_-10to10

## Question 30

0: $6+4=10$
1: $9+3=12$
2: $4+6=10$
3: $4+7=11$
4: $3+(-6)=-3$
5: $(-10)+(-8)=-18$
6: $2+5=7$
7: $(-5)+(-9)=-14$
8: $2+(-9)=-7$
9: $0+3=3$
10: $(-5)+(-9)=-14$
11: $(-10)+3=-7$
12: $3+(-10)=-7$
13: $(-10)+7=-3$
14: $(-1)+(-4)=-5$
15: $0+6=6$
16: $10+4=14$
17: $(-1)+4=3$
18: $9+(-4)=5$
19: $(-8)+2=-6$
20: $(-6)+8=2$
21: $1+(-5)=-4$
22: $(-6)+(-1)=-7$
23: $2+2=4$
24: $10+3=13$
25: $10+1=11$

## Question 31 [25 marks]

$0:(-9)+(-8)=-17$
1: $3+(-4)=-1$
2: $(-6)+(-7)=-13$
3: $1+0=1$
4: $(-6)+(-2)=-8$
5: $(-10)+(-1)=-11$
6: $9+6=15$
7: $(-6)+(-5)=-11$
$8:(-2)+(-4)=-6$
9: $9+(-1)=8$
10: $0+(-7)=-7$
11: $8+4=12$
12: $(-3)+(-10)=-13$
13: $(-10)+6=-4$
14: $7+4=11$
15: $(-6)+2=-4$
16: $10+3=13$
17: $1+9=10$
18: $(-6)+6=0$
19: $10+1=11$
20: $10+(-3)=7$
21: $(-7)+10=3$
22: $2+7=9$
23: $7+(-8)=-1$
24: $(-1)+1=0$
25: $9+(-7)=2$
add_-10to10_-10to10

## Question 32

[25 marks]
$0:(-9)+(-2)=-11$
1: $(-2)+2=0$
2: $1+9=10$
$3:(-6)+9=3$
4: $(-8)+(-1)=-9$
5: $(-6)+4=-2$
6: $6+(-8)=-2$
7: $5+9=14$
$8: 0+7=7$
9: $(-3)+(-4)=-7$
10: $3+(-3)=0$
11: $(-2)+4=2$
12: $0+10=10$
13: $(-2)+(-1)=-3$
14: $(-2)+0=-2$
15: $8+(-10)=-2$
16: $7+6=13$
17: $1+(-5)=-4$
18: $(-7)+10=3$
19: $(-7)+(-8)=-15$
20: $(-4)+(-5)=-9$
21: $(-8)+2=-6$
22: $0+(-8)=-8$
23: $6+0=6$
24: $9+(-6)=3$
25: $9+(-4)=5$

## Question 33 [25 marks]

0: $0+0=0$
1: $(-9)+1=-8$
2: $(-9)+(-3)=-12$
3: $7+(-6)=1$
4: $(-6)+(-4)=-10$
5: $(-9)+(-5)=-14$
6: $5+2=7$
7: $10+(-4)=6$
8: $4+3=7$
9: $3+2=5$
10: $(-9)+(-1)=-10$
11: $(-10)+6=-4$
12: $5+2=7$
13: $(-8)+5=-3$
14: $1+2=3$
15: $(-3)+3=0$
16: $(-7)+(-7)=-14$
17: $(-2)+(-9)=-11$
18: $4+(-2)=2$
19: $(-2)+(-2)=-4$
20: $(-3)+(-10)=-13$
21: $8+(-1)=7$
22: $(-10)+(-1)=-11$
23: $10+0=10$
24: $(-8)+(-7)=-15$
25: $(-1)+1=0$
add_-10to10_-10to10

## Question 34

$0:(-8)+(-6)=-14$
1: $6+(-6)=0$
2: $5+(-1)=4$
3: $(-4)+2=-2$
4: $4+(-1)=3$
5: $(-4)+(-10)=-14$
6: $5+(-4)=1$
7: $(-7)+(-4)=-11$
8: $(-8)+2=-6$
9: $(-4)+(-8)=-12$
10: $(-8)+(-1)=-9$
11: $(-1)+(-7)=-8$
12: $(-9)+(-3)=-12$
13: $0+(-5)=-5$
14: $(-2)+4=2$
15: $10+(-5)=5$
16: $(-6)+5=-1$
17: $(-1)+(-5)=-6$
18: $7+(-2)=5$
19: $8+3=11$
20: $(-1)+6=5$
21: $10+5=15$
22: $(-10)+7=-3$
23: $0+(-1)=-1$
24: $(-10)+(-10)=-20$
25: $(-8)+(-10)=-18$

## Question 35 [25 marks]

0: $1+10=11$
1: $(-2)+9=7$
2: $10+4=14$
3: $2+1=3$
4: $(-9)+4=-5$
5: $(-2)+(-6)=-8$
6: $0+10=10$
7: $2+(-1)=1$
8: $9+(-9)=0$
9: $9+7=16$
10: $(-1)+(-5)=-6$
11: $(-4)+(-6)=-10$
12: $(-3)+(-5)=-8$
13: $6+(-6)=0$
14: $(-3)+10=7$
15: $(-8)+(-1)=-9$
16: $9+1=10$
17: $(-7)+6=-1$
18: $(-2)+8=6$
19: $7+9=16$
20: $(-2)+(-3)=-5$
21: $(-3)+(-7)=-10$
22: $0+5=5$
23: $7+1=8$
24: $(-1)+7=6$
25: $3+1=4$
add_-10to10_-10to10

## Question 36

$0:(-2)+(-9)=-11$
1: $2+(-7)=-5$
2: $3+(-4)=-1$
3: $(-4)+6=2$
4: $5+0=5$
5: $10+(-6)=4$
6: $(-2)+(-2)=-4$
7: $8+4=12$
8: $10+(-7)=3$
9: $(-3)+(-8)=-11$
10: $4+(-2)=2$
11: $4+(-7)=-3$
12: $(-4)+1=-3$
13: $(-6)+8=2$
14: $6+5=11$
15: $5+(-10)=-5$
16: $(-5)+(-4)=-9$
17: $(-9)+(-3)=-12$
18: $5+10=15$
19: $(-6)+(-1)=-7$
20: $10+(-6)=4$
21: $3+(-1)=2$
22: $1+2=3$
23: $2+0=2$
24: $(-7)+(-4)=-11$
25: $(-3)+5=2$

## Question 37 <br> [25 marks]

0: $2+3=5$
1: $9+(-10)=-1$
2: $(-2)+(-5)=-7$
$3: 4+(-4)=0$
4: $0+(-10)=-10$
$5:(-1)+(-6)=-7$
6: $9+(-8)=1$
7: $(-4)+5=1$
$8:(-6)+(-1)=-7$
$9:(-2)+(-4)=-6$
10: $1+(-3)=-2$
11: $(-4)+0=-4$
12: $0+(-1)=-1$
13: $(-8)+9=1$
14: $4+6=10$
15: $(-5)+(-7)=-12$
16: $1+(-5)=-4$
17: $(-3)+6=3$
18: $(-3)+(-8)=-11$
19: $(-6)+(-1)=-7$
20: $6+4=10$
21: $(-3)+(-3)=-6$
22: $(-5)+6=1$
23: $(-1)+(-5)=-6$
24: $3+(-1)=2$
25: $6+(-10)=-4$

## Question 38

$0:(-10)+6=-4$
1: $1+1=2$
2: $(-9)+5=-4$
3: $(-8)+5=-3$
4: $10+0=10$
5: $7+10=17$
6: $1+1=2$
7: $4+(-1)=3$
8: $4+0=4$
9: $4+8=12$
10: $5+(-4)=1$
11: $(-2)+(-4)=-6$
12: $3+(-1)=2$
13: $(-3)+(-4)=-7$
14: $(-10)+(-4)=-14$
15: $(-7)+(-4)=-11$
16: $1+(-9)=-8$
17: $3+(-10)=-7$
18: $7+1=8$
19: $7+10=17$
20: $(-8)+(-8)=-16$
21: $(-6)+5=-1$
22: $3+5=8$
23: $(-3)+(-5)=-8$
24: $(-3)+2=-1$
25: $(-10)+(-7)=-17$

## Question 39 [25 marks]

0: $(-9)-0=-9$
1: $(-7)-(-9)=2$
2: $(-2)-(-9)=7$
3: $10-(-4)=14$
4: $(-8)-(-9)=1$
5: $8-(-7)=15$
6: $(-5)-3=-8$
$7:(-3)-2=-5$
8: $(-1)-(-1)=0$
9: $(-3)-10=-13$
10: $(-4)-(-2)=-2$
11: $(-3)-10=-13$
12: $6-(-3)=9$
13: $9-(-6)=15$
14: $(-1)-9=-10$
15: $(-10)-(-8)=-2$
16: $6-2=4$
17: $(-8)-4=-12$
18: $(-1)-(-9)=8$
19: $7-5=2$
20: $(-4)-(-10)=6$
21: $8-2=6$
22: $2-(-8)=10$
23: $(-9)-8=-17$
24: $(-6)-(-5)=-1$
25: $(-5)-9=-14$
sub_-10to10_-10to10

## Question 40

[25 marks]
0: $4-2=2$
1: $3-1=2$
2: $4-9=-5$
3: $(-2)-10=-12$
4: $0-4=-4$
5: $0-(-2)=2$
6: $6-(-1)=7$
7: $(-9)-(-7)=-2$
8: $7-1=6$
9: $10-(-9)=19$
10: $(-7)-7=-14$
11: $2-(-4)=6$
12: $9-(-7)=16$
13: $8-1=7$
14: $2-9=-7$
15: $(-9)-10=-19$
16: $(-6)-9=-15$
17: $(-1)-(-10)=9$
18: $7-(-7)=14$
19: $7-(-10)=17$
20: $(-10)-(-9)=-1$
21: $(-10)-(-6)=-4$
22: $6-8=-2$
23: $4-8=-4$
24: $9-(-4)=13$
25: $(-9)-10=-19$

## Question 41 [25 marks]

0: $(-9)-(-2)=-7$
1: $(-2)-(-6)=4$
2: $8-(-7)=15$
3: $6-1=5$
4: $3-6=-3$
5: $(-10)-(-4)=-6$
6: $(-9)-(-8)=-1$
7: $3-4=-1$
8: $6-3=3$
9: $(-8)-0=-8$
10: $2-(-8)=10$
11: $(-2)-(-4)=2$
12: $2-10=-8$
13: $1-1=0$
14: $(-4)-7=-11$
15: $(-9)-6=-15$
16: $7-9=-2$
17: $(-9)-3=-12$
18: $0-(-8)=8$
19: $4-(-10)=14$
20: $(-4)-(-8)=4$
21: $(-5)-7=-12$
22: $3-(-6)=9$
23: $(-3)-(-5)=2$
24: $0-5=-5$
25: $9-6=3$
sub_-10to10_-10to10

## Question 42

[25 marks]
0: $9-(-10)=19$
1: $(-8)-(-3)=-5$
2: $10-3=7$
3: $10-(-5)=15$
4: $2-0=2$
5: $(-5)-9=-14$
6: $(-10)-8=-18$
7: $2-6=-4$
8: $(-6)-(-6)=0$
9: $(-6)-(-5)=-1$
10: $(-4)-9=-13$
11: $8-(-5)=13$
12: $(-5)-5=-10$
13: $4-(-10)=14$
14: $(-4)-10=-14$
15: $(-10)-8=-18$
16: $(-6)-0=-6$
17: $(-9)-3=-12$
18: $(-9)-1=-10$
19: $(-9)-5=-14$
20: $5-3=2$
21: $(-1)-5=-6$
22: $8-1=7$
23: $0-(-10)=10$
24: $(-3)-4=-7$
25: $2-(-5)=7$

## Question 43

0: $2-0=2$
1: $1-4=-3$
2: $7-9=-2$
3: $4-5=-1$
4: $(-7)-9=-16$
5: $(-9)-7=-16$
6: $9-7=2$
7: $(-6)-2=-8$
8: $(-1)-(-2)=1$
9: $5-(-10)=15$
10: $9-(-10)=19$
11: $3-(-7)=10$
12: $(-3)-(-8)=5$
13: $(-4)-(-10)=6$
14: $(-2)-(-5)=3$
15: $(-9)-5=-14$
16: $(-1)-(-8)=7$
17: $(-1)-(-8)=7$
18: $(-10)-5=-15$
19: $(-9)-(-4)=-5$
20: $(-6)-(-6)=0$
21: $4-(-6)=10$
22: $(-9)-(-1)=-8$
23: $(-3)-2=-5$
24: $(-2)-(-9)=7$
25: $(-8)-(-1)=-7$
sub_-10to10_-10to10
[25 marks]
Question 44
[25 marks]
0: $9-(-2)=11$
1: $(-1)-(-3)=2$
2: $1-(-6)=7$
3: $6-4=2$
4: $0-(-3)=3$
5: $(-5)-(-9)=4$
6: $1-(-7)=8$
7: $1-(-3)=4$
8: $6-0=6$
9: $5-(-6)=11$
10: $4-9=-5$
11: $1-(-1)=2$
12: $(-3)-(-8)=5$
13: $2-7=-5$
14: $(-10)-1=-11$
15: $(-6)-(-9)=3$
16: $10-(-4)=14$
17: $(-2)-(-5)=3$
18: $(-7)-3=-10$
19: $(-10)-8=-18$
20: $(-10)-(-7)=-3$
21: $(-3)-(-2)=-1$
22: $1-(-5)=6$
23: $(-1)-7=-8$
24: $1-(-4)=5$
25: $2-4=-2$

## Question 45 [25 marks]

$0:(-10)-(-10)=0$
1: $8-5=3$
2: $(-5)-(-9)=4$
3: $8-(-9)=17$
4: $(-3)-7=-10$
5: $9-8=1$
6: $2-4=-2$
7: $(-4)-3=-7$
8: $(-10)-6=-16$
9: $(-5)-(-8)=3$
10: $1-5=-4$
11: $(-4)-(-9)=5$
12: $(-6)-10=-16$
13: $10-10=0$
14: $0-(-3)=3$
15: $(-2)-4=-6$
16: $(-1)-0=-1$
17: $6-1=5$
18: $0-10=-10$
19: $(-3)-(-5)=2$
20: $10-1=9$
21: $(-1)-6=-7$
22: $(-8)-(-5)=-3$
23: $2-5=-3$
24: $0-0=0$
25: $(-1)-(-1)=0$
sub_-10to10_-10to10

## Question 46

$0:(-1)-4=-5$
1: $7-(-8)=15$
2: $8-1=7$
3: $5-(-8)=13$
4: $0-(-7)=7$
5: $(-4)-9=-13$
6: $3-(-4)=7$
$7:(-5)-(-2)=-3$
8: $(-6)-(-9)=3$
9: $0-0=0$
10: $3-(-8)=11$
11: $(-7)-(-5)=-2$
12: $5-7=-2$
13: $(-9)-(-9)=0$
14: $7-5=2$
15: $6-(-1)=7$
16: $(-9)-(-10)=1$
17: $(-9)-(-5)=-4$
18: $(-2)-7=-9$
19: $(-9)-3=-12$
20: $(-2)-(-2)=0$
21: $(-3)-(-4)=1$
22: $(-2)-(-3)=1$
23: $6-3=3$
24: $7-(-2)=9$
$25:(-4)-(-5)=1$

## Question 47 [25 marks]

$0:(-6)-(-5)=-1$
1: $(-6)-(-8)=2$
2: $(-1)-6=-7$
3: $(-2)-(-2)=0$
4: $7-2=5$
5: $1-7=-6$
6: $4-0=4$
7: $6-4=2$
8: $5-(-6)=11$
9: $(-7)-6=-13$
10: $9-(-2)=11$
11: $(-2)-(-4)=2$
12: $3-3=0$
13: $(-6)-6=-12$
14: $(-7)-10=-17$
15: $2-7=-5$
16: $8-1=7$
17: $(-8)-2=-10$
18: $(-4)-4=-8$
19: $(-6)-8=-14$
20: $5-10=-5$
21: $6-(-10)=16$
22: $(-9)-(-8)=-1$
23: $(-6)-(-8)=2$
24: $(-6)-0=-6$
25: $8-(-6)=14$
sub_-10to10_-10to10

## Question 48

0: $(-4)-6=-10$
1: $(-7)-8=-15$
2: $(-2)-3=-5$
3: $10-(-2)=12$
4: $(-7)-(-10)=3$
5: $(-5)-(-4)=-1$
6: $(-10)-8=-18$
7: $1-0=1$
$8: 8-(-10)=18$
9: $(-5)-(-2)=-3$
10: $(-5)-(-4)=-1$
11: $4-1=3$
12: $0-0=0$
13: $(-5)-7=-12$
14: $3-(-6)=9$
15: $(-9)-(-3)=-6$
16: $7-9=-2$
17: $5-4=1$
18: $10-(-5)=15$
19: $0-7=-7$
20: $6-(-4)=10$
21: $4-(-6)=10$
22: $8-2=6$
23: $4-5=-1$
24: $9-(-3)=12$
25: $(-5)-3=-8$

