

**Знайти точку  $M_1$ , симетричну точці  $M$  відносно площини:**

1.  $M(2,-1,1)$   $x - y + 2z - 2 = 0$
2.  $M(-1,0,1)$   $2x + 4y - 3 = 0$
3.  $M(1,1,1)$   $x + 4y - 3z - 5 = 0$
4.  $M(1,0,1)$   $4x + 6y + 4z - 25 = 0$
5.  $M(-1,0,2)$   $2x + 6y - 2z + 11 = 0$
6.  $M(0,2,1)$   $2x + 4y - 3 = 0$
7.  $M(3,-3,1)$   $2x - 4y - 4z - 13 = 0$
8.  $M(2,1,0)$   $y + z + 2 = 0$
9.  $M(-1,2,0)$   $4x - 5y - z - 7 = 0$
10.  $M(1,2,3)$   $2x + 10y + 10z - 1 = 0$
11.  $M(-2,0,3)$   $2x - 2y - 10z - 1 = 0$
12.  $M(0,-3,-2)$   $2x - 20y + 10z + 1 = 0$
13.  $M(1,0,-1)$   $2y + 4z - 1 = 0$
14.  $M(3,3,3)$   $8x + 6y + 8z - 25 = 0$
15.  $M(2,-2,-3)$   $y + z + 2 = 0$
16.  $M(1,-1,2)$   $2x - y + z - 2 = 0$
17.  $M(1,0,-1)$   $4y + 2z - 3 = 0$
18.  $M(1,1,1)$   $4x + y - 3z - 5 = 0$
19.  $M(0,1,1)$   $6x + 4y + 4z - 25 = 0$
20.  $M(0,-1,2)$   $6x + 2y - 2z + 11 = 0$
21.  $M(2,0,1)$   $4x + 2y - 3 = 0$
22.  $M(-3,3,1)$   $-4x + 2y - 4z - 13 = 0$
23.  $M(1,2,0)$   $x + z + 2 = 0$
24.  $M(-1,0,2)$   $4x - y - 5z - 7 = 0$
25.  $M(3,2,1)$   $10x + 10y + 2z - 1 = 0$
26.  $M(0,-2,3)$   $-2x + 2y - 10z - 1 = 0$
27.  $M(-2,-3,0)$   $10x - 20y + 2z + 1 = 0$
28.  $M(1,-1,0)$   $4y + 2z - 1 = 0$
29.  $M(3,3,3)$   $8x + 8y + 6z - 25 = 0$
30.  $M(-2,2,-3)$   $x + z + 2 = 0$