Number of Solutions to Systems of Equations

No Calculator

1. What is a value of k that produces no solutions? -x-5y=-15   kx+3y=31
2. What is a value of k that produces no solutions? -x-5y=28   kx+y=7
3. What is a value of k that produces no solutions? -5x+y=34   kx-4y=14
4. What is a value of k that produces no solutions? 3x+2y=-33   kx-4y=-4
5. What is a value of k that produces no solutions? 4x-y=27   kx-2y=19
6. What is a value of k that produces no solutions? 3x-5y=-22   kx-4y=-24
7. What is a value of k that produces no solutions? 4x-4y=20   kx+4y=-18
8. What is a value of k that produces no solutions? -x-y=-4   kx+4y=-8
9. What is a value of k that produces no solutions? -4x-y=5   kx+2y=-6
10. What is a value of k that produces no solutions? -3x+3y=-27   kx+3y=15
11. What is a value of k that produces infinite solutions? -2x-5y=-20   kx-5y=-20
12. What is a value of k that produces infinite solutions? 2x-3y=0   kx-3y=0
13. What is a value of k that produces infinite solutions? -5x+2y=7   kx-2y=-7
14. What is a value of k that produces infinite solutions? -3x+2y=14   kx+2y=14
15. What is a value of k that produces infinite solutions? -4x+5y=23   kx-5y=-23
16. What is a value of k that produces infinite solutions? 2x-2y=-18   kx-10y=-90
17. What is a value of k that produces infinite solutions? 3x-2y=33   kx+10y=-165
18. What is a value of k that produces infinite solutions? 5x+y=18   kx-4y=-72
19. What is a value of k that produces infinite solutions? 4x-2y=0   kx-4y=0
20. What is a value of k that produces infinite solutions? -2x+2y=-4   kx+2y=-4

1. k=3/5
2. k=1/5
3. k=20
4. k=-6
5. k=8
6. k=12/5
7. k=-4
8. k=4
9. k=8
10. k=-3
11. k=-2
12. k=2
13. k=5
14. k=-3
15. k=4
16. k=10
17. k=-15
18. k=-20
19. k=8
20. k=-2