

1. Given the line given by the equation: $1 + 7y = -x$, what is the equation of the line dilated by a scale factor 7 centered at $(0, 0)$?

2. Given the line given by the equation: $y + x = -6$, what is the equation of the line dilated by a scale factor $\frac{2}{3}$ centered at $(0, 0)$?

3. Given the line given by the equation: $4x + 8y = -1$, what is the equation of the line dilated by a scale factor 8 centered at $(0, 0)$?

4. Given the line given by the equation: $x + y = -7$, what is the equation of the line dilated by a scale factor $\frac{1}{7}$ centered at $(0, 0)$?

5. Given the line given by the equation: $5 - y = 8x$, what is the equation of the line dilated by a scale factor $\frac{2}{5}$ centered at $(0, 0)$?

6. Given the line given by the equation: $-4y - 7 = x$, what is the equation of the line dilated by a scale factor 4 centered at $(0, 0)$?

7. Given the line given by the equation: $y + x = -3$, what is the equation of the line dilated by a scale factor $\frac{2}{3}$ centered at $(0, 0)$?

8. Given the line given by the equation: $3x + y = -10$, what is the equation of the line dilated by a scale factor $\frac{1}{10}$ centered at $(0, 0)$?

9. Given the line given by the equation: $3x + y = 8$, what is the equation of the line dilated by a scale factor $\frac{3}{8}$ centered at $(0, 0)$?

10. Given the line given by the equation: $-3y = -x - 4$, what is the equation of the line dilated by a scale factor 3 centered at $(0, 0)$?

11. Given the line given by the equation: $-10x - y = -4$, what is the equation of the line dilated by a scale factor $\frac{1}{2}$ centered at $(0, 0)$?

12. Given the line given by the equation: $7y + 10 = -x$, what is the equation of the line dilated by a scale factor 7 centered at $(0, 0)$?

13. Given the line given by the equation: $3y - x = 10$, what is the equation of the line dilated by a scale factor 6 centered at $(0, 0)$?

14. Given the line given by the equation: $y + 2 = x$, what is the equation of the line dilated by a scale factor $\frac{1}{2}$ centered at $(0, 0)$?

15. Given the line given by the equation: $y - 9 = -x$, what is the equation of the line dilated by a scale factor $\frac{5}{3}$ centered at $(0, 0)$?

16. Given the line given by the equation: $-x + y = -9$, what is the equation of the line dilated by a scale factor $\frac{1}{3}$ centered at $(0, 0)$?

17. Given the line given by the equation: $-10y = x + 1$, what is the equation of the line dilated by a scale factor 10 centered at $(0, 0)$?

18. Given the line given by the equation: $-6y = -9x + 6$, what is the equation of the line dilated by a scale factor 3 centered at $(0, 0)$?

19. Given the line given by the equation: $2 + y = 2x$, what is the equation of the line dilated by a scale factor $\frac{1}{2}$ centered at $(0, 0)$?

20. Given the line given by the equation: $y = -4x + 6$, what is the equation of the line dilated by a scale factor $\frac{1}{3}$ centered at $(0, 0)$?

21. Given the line given by the equation: $-6 - 10y = -x$, what is the equation of the line dilated by a scale factor 10 centered at $(0, 0)$?

22. Given the line given by the equation: $-y = 3x + 10$, what is the equation of the line dilated by a scale factor $\frac{4}{5}$ centered at $(0, 0)$?

23. Given the line given by the equation: $y + 3 = -2x$, what is the equation of the line dilated by a scale factor $\frac{1}{3}$ centered at $(0, 0)$?

24. Given the line given by the equation: $5x - 5y = -7$, what is the equation of the line dilated by a scale factor 5 centered at $(0, 0)$?

25. Given the line given by the equation: $8y - x = 7$, what is the equation of the line dilated by a scale factor 16 centered at $(0, 0)$?