1. Given the line given by the equation: $10 + 7y = x$, what is the equation of the line dilated by a scale factor 7 centered at $(-11, -3)$?

2. Given the line given by the equation: $8y = -x - 4$, what is the equation of the line dilated by a scale factor 2 centered at $(0, 0)$?

3. Given the line given by the equation: $4y = -6x + 5$, what is the equation of the line dilated by a scale factor 4 centered at $(0, 0)$?

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

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

6. Given the line given by the equation: $y + 10 = -8x$, what is the equation of the line dilated by a scale factor $\frac{1}{5}$ centered at $(1, -18)$?

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

8. Given the line given by the equation: $y - 5 = -x$, what is the equation of the line dilated by a scale factor $\frac{1}{5}$ centered at $(16, -11)$?

9. Given the line given by the equation: $y + 4x = -7$, what is the equation of the line dilated by a scale factor $\frac{2}{7}$ centered at $(0,0)$?

10. Given the line given by the equation: $y = 7x$, what is the equation of the line dilated by a scale factor centered at $(2, 14)$?

11. Given the line given by the equation: $-y - 8 = 5x$, what is the equation of the line dilated by a scale factor $\frac{7}{4}$ centered at $(-5, 17)$?

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

13. Given the line given by the equation: $-4 + 10y = 9x$, what is the equation of the line dilated by a scale factor 5 centered at $(0,0)$?

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

15. Given the line given by the equation: $9 + 8y = -x$, what is the equation of the line dilated by a scale factor 16 centered at $(11, -2)$?

16. 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 $(19, -16)$?

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

18. Given the line given by the equation: $7x - y = 10$, what is the equation of the line dilated by a scale factor $\frac{3}{1}$ centered at $(0,0)$?

19. Given the line given by the equation: $5y = -8x + 6$, what is the equation of the line dilated by a scale factor 10 centered at $(7, -10)$?

20. Given the line given by the equation: $8 + 5y = -6x$, what is the equation of the line dilated by a scale factor 5 centered at $(-15, 16)$?

21. Given the line given by the equation: $y + 3x = 5$, what is the equation of the line dilated by a scale factor $\frac{2}{5}$ centered at $(0,0)$?

22. Given the line given by the equation: $6y + 8 = -x$, what is the equation of the line dilated by a scale factor 6 centered at $(0,0)$?

23. 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 $(0,0)$?

24. Given the line given by the equation: $y - 3x = 5$, what is the equation of the line dilated by a scale factor $\frac{4}{5}$ centered at $(-4, -7)$?

25. Given the line given by the equation: $x + y = 1$, what is the equation of the line dilated by a scale factor 5 centered at $(-13, 14)$?