

### Homework: Parallel and Perpendicular Lines - Key

---

In Problems 1-4, determine whether the given linear equations are parallel, perpendicular, or neither

1. Parallel	2. Neither
3. Perpendicular	4. Parallel

In Problems 5-14, find an equation of the line with the given properties. Express your answer in slope-intercept form

5. $y = \frac{1}{5}x + 4$	6. $y = \frac{1}{3}x + 3$
7. $y = 0$	8. $y = 3x - 13$
9. $y = \frac{1}{5}x - \frac{8}{5}$	10. $y = 5$
11. $y = 1$	12. $y = 5x + 7$
13. $y = \frac{7}{2}x - 20$	14. $y = \frac{3}{8}x - \frac{31}{8}$