3-6 Notes

Monday, February 19, 2024 9:39 PM

Parallel Lines -

Perpendicular Lines -

2. Is the line $y = \frac{1}{2}$ perpendicular to the line $y = -4$?

4. Is the line $x = 4$ parallel to the line $x = -4$?

6. Is the line $y = -2x + \frac{2}{3}$ parallel to the line $y = -2x + 3$?

8. Is the line $y = \frac{1}{2}x + \frac{3}{2}$ perpendicular to the line $y = -\frac{1}{2}x + \frac{3}{2}$?

10. Are the lines $2x - 4y = 3$ and $2x + 4y = -3$ parallel?

14. Is the line that contains the points $(4, -3)$ and $(2, 5)$ parallel to the line that contains the points $(-2, -3)$ and $(-4, 1)$?

20. Find the equation of the line containing the point $(3, 2)$ and parallel to the line $3x + y = -3$.

22. Find the equation of the line containing the point $(2, -5)$ and perpendicular to the line $y = \frac{5}{2}x - 4$.