

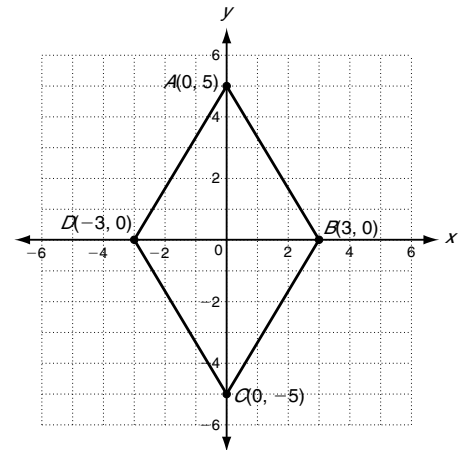
LESSON
5-8 Practice C
Slopes of Parallel and Perpendicular Lines

Identify which lines are parallel.

1. $y = \frac{1}{4}x + 2$; $y = 4$; $y = 4x$; $y = \frac{1}{4}$

2. $y - 1 = -(x + 7)$; $y = -x$; $x + y = 3$; $y = 3x$

3. Show that $ABCD$ is a parallelogram.

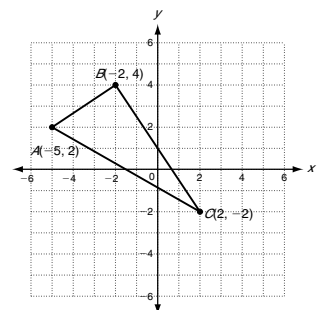


Identify which lines are perpendicular.

4. $y = 3x - 1$; $y = 3$; $x - 3y = 6$; $x = 6$

5. $y = \frac{1}{2}x + 2$; $y + 1 = -2x$; $y = \frac{1}{2}$; $2x - y = 1$

6. Show that ABC is a right triangle.



7. Line m contains $(6, 8)$ and $(-1, 2)$. Line n contains $(-1, 5)$ and $(5, y)$.

What is the value of y if line m is perpendicular to line n ? _____