Name_

Date

4.3

Practice A

In Exercises 1 and 2, determine which of the lines, if any, are parallel. Explain.

1. Line a passes through (-1, 1) and (1, 3). Line b passes through (3, 4) and (0, 2). Line c passes through (0, 1) and (3, 3).

In Exercises 3 and 4, write an equation of the line that passes through the given point and is parallel to the given line.

$$(1, 3); y = 2x - 5$$

(-2, 1); y = -4x + 3

In Exercises 5 and 6, determine which of the lines, if any, are parallel or perpendicular. Explain.

Line a passes through (-2, 3) and (1, -1).

Line b passes through (-3, 1) and (1, 4).

Line c passes through (0, 2) and (3, -2).

In Exercises 7 and 8, write an equation of the line that passes through the given point and is perpendicular to the given line.

