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| **Key Concept** | **Notes** |
| **Slopes of Parallel Lines** |  |
| **Problem 1** |  |
| **Problem 2** | What is an equation of the line parallel to y = -3x – 5 that contains (-1, 8)? |
| **Slopes of Perpendicular Lines** |  |
| **Problem 3** |  |
| **Problem 4** | **What is an equation of the line perpendicular to *y* =** $\frac{1}{5}$***x* + 2 that contains (15, -4)?** |

APPLICATION

1. A(-8, 3), B(-4, 11), C(-1, 3), D(1, 2) 2. A(3, 5), B(2, -1), C(7, -2), D(10, 16)

3. A(3, 1), B(4, 1), C(5, 9), D(2, 6)

4. What is an equation of the line parallel to y = -4x + 1 that contains (2, -3)?

5. What is an equation of the line perpendicular to y = -4x + 1 that contains (2, -3)?

COMREHENSION

6.