Name Date

Lesson

4.2

Extra Practice

**Find the slope of the line.**

**1. 2.**

**Find the slope of the line through the given points.**

**3.** (1, 4), (1, 4) **4.** (1, 2), (3, 2)

**Which lines are parallel? How do you know?**

**5. 6.**

**Are the given lines parallel? How do you know?**

**7.** *y* = 0, *x* = 1 **8.** *x* = 2, *x* = 5

**The points in the table lie on a line. Find the slope of the line.**

**9. 10.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***x*** | 3 | 0 | 1 | 2 |
| ***y*** | 6 | 3 | 2 | 1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***x*** | 1 | 3 | 5 | 7 |
| ***y*** | 7 | 2 | 3 | 8 |

**11.** An awning covers a window that is 4 feet high. When the awning is opened, it extends 2 feet from the base of the window. Find the slope of the awning.

**12.** Your friend finds the slope of the line shown.
Is your friend correct? Explain your reasoning.

*m* = $\frac{-2-4}{-2-1}$

 = $\frac{-6}{-3}$

 = 2