

Lesson 3.3 ~ Writing Linear Equations from Key Information

Name _____ Period _____ Date _____

Write an equation in slope-intercept form when given two pieces of key information about the line.

1. slope = 3, y-intercept = -1 _____

2. slope = $-\frac{1}{5}$, y-intercept = 4 _____

3. slope = 5, goes through the point (2, 7) _____

4. slope = 0, goes through the point (-3, 3) _____

5. slope = $\frac{3}{4}$, goes through the point (0, 6) _____

6. goes through the points (6, 2) and (5, 4) _____

7. goes through the points (0, 4) and (2, 7) _____

8. goes through the points (-3, 2) and (8, 2) _____

9. goes through the points (-6, 1) and (-3, 2) _____

10. y-intercept = 4, goes through the point (2, 3) _____

11. y-intercept = -1, goes through the point (3, 8) _____

12. goes through the points (1, 11) and (1, -2) _____