**Unit 2: Linear Functions Review Sheet**

*Directions:* Glue (or tape) this review sheet in your composition notebook. Show all work on a separate page in your notebook.

1. Is the relation a function? ( 0, 3), (4, 0), ( 8, 0),( 4, -3)( -5, 8) \_\_\_\_\_\_\_\_\_
2. What is the domain of above?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Range?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. If , find f(-3)\_\_\_\_\_\_\_ If , find g( -2).
4. A horizontal line has a slope of \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. What is the slope of the line between (-2, 2) and (4, -4) ?
6. What is the equation of a line with an undefined slope passing through (3, -4)?
7. What is the slope of the line ?
8. Write the equation of a line passing through (5, -3) with a slope of ⅜
9. Write an equation in point-slope form : slope of 2 through ( 3, 4 )
10. Write in slope-intercept form:
11. What is the y-intercept of the line through ( 5, 2) and(-2, 5)
12. What is the equation of a line parallel to through ( 1, -5 )
13. What is the equation of a vertical line through (6, -3 ) ?
14. graph : graph:
15. What is the slope of a line perpendicular to ?
16. Write in standard form:
17. Write the equation of the line in slope-intercept form
18. Find the range for the following function given the domain {-2, 3, -5} :
19. Write in standard form:
20. A ski hill has a vertical drop of 1500 ft. over a distance of 4200 ft. What is the slope of the ski hill?

**Unit 1: Linear Equations Review Sheet**

*Directions:* Glue (or tape) this review sheet in your composition notebook. Show all work on a separate page in your notebook.

1. Is the relation a function? ( 0, 3), (4, 0), ( 8, 0),( 4, -3)( -5, 8) \_\_\_\_\_\_\_\_\_
2. What is the domain of above?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Range?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. If , find f(-3)\_\_\_\_\_\_\_ If , find g( -2).
4. A horizontal line has a slope of \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. What is the slope of the line between (-2, 2) and (4, -4) ?
6. What is the equation of a line with an undefined slope passing through (3, -4)?
7. What is the slope of the line ?
8. Write the equation of a line passing through (5, -3) with a slope of ⅜
9. Write an equation in point-slope form : slope of 2 through ( 3, 4 )
10. Write in slope-intercept form:
11. What is the y-intercept of the line through ( 5, 2) and(-2, 5)
12. What is the equation of a line parallel to through ( 1, -5 )
13. What is the equation of a vertical line through (6, -3 ) ?
14. graph : graph:
15. What is the slope of a line perpendicular to ?
16. Write in standard form:
17. Write the equation of the line in slope-intercept form
18. Find the range for the following function given the domain {-2, 3, -5} :
19. Write in standard form:
20. A ski hill has a vertical drop of 1500 ft. over a distance of 4200 ft. What is the slope of the ski hill?