**Unit 5 Test Review**

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| **1.** What is the x-intercept of the graph of $y=\frac{1}{2}x-3?$ | **2.** What is the y-intercept of the graph of $-x+5y=-35?$ |
| **3.** Write the equation of the line in slope intercept form. Given *m* = -4, (3, -5) | **4.** Write the equation of the line in slope intercept form. Given $m=\frac{1}{3}, \left(3, 6\right)$ |
| **5.** What is the domain of the relation (7, 3) (6, 4) (4, 3) (3, 4) | **6.** What is the slope of the line through the points (-3, 8) and (-6, 4) ? |
| **7.** What is the slope of the line through the points (3, 6) and (3, -9) | **8.** Graph $y=-x+4$ |
| **9.** Graph $y=3x+6$ | **10.** Graph $y=\frac{4}{3}x-8$ |
| **11.** Graph $y-1=2(x-3)$ | **12.** Graph $y=3 and x=4$ on the same graph. At what point do they intersect? |
| **13.** The table shows the number of miles a plane traveled while in flight. Use the information to find the approximate rate of change in miles per minute. | **14.** Find the rate of change of the data. Explain what the rate of change means. |
| **15.** The graph represents the distance traveled while driving on a highway. Use the graph to find the rate of change in miles per hour. | **16.** Make a table where the rate of change is  $5 for every gallon.

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