Module 5 Test Review Name: Period:

Show all your work. Good luck!

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| 1) Rewrite in slope intercept form. Use a table to graph X - 5y = 15A1_MTXEAR361614_052T | 2) Rewrite in slope intercept form. Use a table to graph 4x + 2y = 6A1_MTXEAR361614_052T |
| 3) Graph the function:(a)State it’s domain and range:(b) Is it discrete or continuous? Explain | 4) Does the table represent a linear function? Explain.

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| X | 1 | 2 | 3 | 4 | 5 |
| y | 8 | 11 | 14 | 17 | 21 |

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| 5) Find the x and y intercept of 8x – 10y = 44 |
| 6) Find the x and y intercepts of $\frac{2}{3}x-y=-8$ |
| 7) Use the slope formula to find the slope of the line that contains the points:(a) (5,-11) and (-7,15)(b) (4,-2) and (2,-2) |
| 8) Graph using intercepts: What does each intercept mean? |
| 9) Use the table to find the slope of the linear equation.

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| ***x*** | 1 | 3 | 5 | 7 | 9 |
| ***y*** | -4 | 0 | 4 | 8 | 12 |

 | 10) The graph below shows the relationship between the number of tortilla chips and total number of calories of the chips.A1_MTXEAR361614_053T a. Find and interpret the slope.  b. Write an equation to represent the relationship. |
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| 11) Solve $2x-3\left(x-2\right)=4+3x-7x$ | 12) Solve $\frac{5}{6}x=-20$ |
| 13) Solve $-5\left(x+2\right)>7x$ | 14) solve 10< x + 2< 21 |

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