Graph Related Linear Inequalities

**Related Inequality Cards**

**Directions: Cut apart table and give contents of one cell to each student.**

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| (Distribute one cell to each student to find partners) |
| y < -2x + 1 (Parallel) | x > 0 (Perpendicular) |
| y < 2x + 1 (Perpendicular) | x > -5 (Parallel) |
| y > - 4 x -3 (Parallel) | y < - (¼) x +3 (Parallel) |
| y < -x - 3 (Perpendicular) | y < - 4 x +3 (Parallel) |
| y < 2x -3 (Parallel) | y < -5 (Parallel) |
| y < 5 (Perpendicular) | y < -x - 1 (Perpendicular) |
| x < 5 (Parallel) | y <-3x + 3 (Parallel) |
| y < -2 (Parallel) | y > -(½) x+ 1 (Perpendicular) |
| y > -3x - 2 (Parallel) | y > (1/3 )x - 2 (Perpendicular) |
| y < -3x - 2 (Perpendicular) | y > -(3/2)x+ 1 (Parallel) |
| y < (2/3)x + 1 (Perpendicular) | y > -(3/2)x+ 1 (Perpendicular) |
| y > - (¼) x -3 (Parallel) | y > -2x (Parallel) |
| y > x -1 (Perpendicular) | y > 2x + 3 (Parallel) |
| y < x – 2 (Parallel) | y > x - 3 (Perpendicular) |
| y > -(3/2)x (Parallel) | y > x – 8 (Parallel) |

**(Answers on Page 2)Answers**

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| y < -2x +1 (Parallel) | y > -2x (Parallel) |
| y < 2x + 1 (Perpendicular) | y > -(½)x+ 1 (Perpendicular) |
| y > - 4 x -3 (Parallel) | y < - 4 x +3 (Parallel) |
| y < -x -3 (Perpendicular) | y > x -3 (Perpendicular) |
| y <2x -3 (Parallel) | y > 2x +3 (Parallel) |
| y < 5 (Perpendicular) | x > 0 (Perpendicular) |
| x < 5 (Parallel) | x > -5 (Parallel) |
| y < -2 (Parallel) | y < -5 (Parallel) |
| y > -3x -2 (Parallel) | y <-3x +3 (Parallel) |
| y < -3x -2 (Perpendicular) | y > (1/3)x -2 (Perpendicular) |
| y < 2/3x + 1 (Perpendicular) | y > -(3/2)x+ 1 (Perpendicular) |
| y > - (¼) x -3 (Parallel) | y < - (¼) x +3 (Parallel) |
| y > x-1 (Perpendicular) | y < -x-1 (Perpendicular) |
| y < x – 2 (Parallel) | y> x – 8 (Parallel) |
| y > -(3/2)x (Parallel) | y > -(3/2)x+ 1 (Parallel) |

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