**2.6 Linear Inequalities in Two Variables**



You and a group of your friends are planning a trip to the Mall of America to go clothes shopping. You have saved $300 for this trip. You need to buy pants and shirts on this shopping spree since your wardrobe is out of style. Pants cost $25 and shirts cost $15. Write an inequality that shows how many pants and shirts you could buy. Then graph the inequality and find three possible outcomes of pants and shirts.

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**Each of the following problems contains a mistake. Find the mistake, correct it and get the right answer.**

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| 1.) | y ≥ -2x + 5 |  |
| 2.) | y < x – 5 |  |

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| 3.) | y > - x |  |
| 4.) | x – 2y < -2 |  |