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| \*Learning Target: |
| \*Critical Content: |

**Follow the following steps to solve these problems:**

1) Solve the inequality for *y*, putting it in our favorite form y = mx + b. The equals sign will be an inequality, though.

2) Graph as you normally would following these rules:

a) If or , use a dotted line.

b) If or use a solid line.

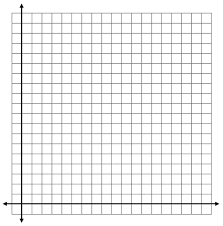
c) If or , shade below the line.

d) If or , shade above the line.

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|  | Ex1) Graph | Ex1a) Graph | Ex2) Graph |
| Step 1) Put in y = mx + b form, but with an inequality symbol. | m = \_\_\_\_\_\_\_ b = \_\_\_\_\_\_\_\_ | m = \_\_\_\_\_\_\_\_ b = \_\_\_\_\_\_\_\_ | m = \_\_\_\_\_\_\_ b = \_\_\_\_\_\_\_\_ |
| Step 2) Dashed or solid line? |  |  |  |
| Step 3) Shade above or below? |  |  |  |
| Step 4) Graph |  |  |  |

Ex3) Use a graph to solve

\*DON’T DO WHAT THE BOOK SAYS HERE. Just solve like you normally would! ☺

Ex4) A yearbook company promises to give the junior class a picnic if they spend at least $28,000 on yearbooks and class rings. Each yearbook costs $35, and each class ring costs $140. How many yearbooks and class rings must the junior class buy to get their picnic?