

Answer the questions in the spaces provided on the question sheets. If there is no solution, write no solution. Be sure to **show your work to earn full credit**. You **MAY** use a calculator to help you. If you run out of room for an answer, raise your hand to ask for an extra piece of paper.

Name and period: _____

- 1) ``

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- 2) Is the relation represented below a function?
- 5) Choose the mapping diagram of the relation shown in the graph. `
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Create the input/output table for the graph below `<`

- 3) Write the relation in the mapping diagram as a set of ordered pairs. `br/ > < imgsrc = "/random_scatterplot - 5 - 7.svg" alt = "randompointsassvg" height = "200" >`

- 4) Create the input/output table for the graph below `
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- 6) Create the input/output table for the mapping diagram below

Create the input/output table for the mapping diagram below

7) Choose the graph of the relation shown in the mapping diagram.

10) If $f(x) = 2(x - 5)$, find $f(-5)$.

8) If $f(x) = x + 5$, find $f(-5)$.

11) If $f(x) = 2(x - 5)^2 - 3$, find $f(-2)$.

9) If $f(x) = x^2 + 5$, find $f(-5)$.