**Consider the Modulus**

Decide which symbol to place in the middle to make each equation always true

Where are real numbers.

Sketch…

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Which of these are functions?

Sketch these…

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Which of these are functions?

**Consider the Modulus - answers**

Decide which symbol to place in the middle to make each equation always true

Where are real numbers.

Sketch…

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The bold relationships above are functions because they are either one-one or many-one and have defined across the domain.

Solve these…



Sketch these…



Solve these, with answers in set notation please…



Try these…

1. For what values of does the equation have 0, 1, 2, 3, or 4 solutions?
2. For what values of does the graph intersect the line exactly once
3. Sketch the graph , giving coordinates of any key features.

Try this…



