Lesson 1.2.1A Resource Page

# Seed Questions

Does this graph look like any other graphs you have seen?  If so, how?  If not, describe the shape of the graph.  Remember to give reasons for your statements.

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Do the *y*-values grow at a constant rate?  If not, how do they grow?  Do they grow faster as *x* gets bigger?  Remember to give reasons for your statements.

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What happens to *y* as *x* gets bigger?  What happens to *y* as *x* gets smaller?  Justify your conclusions.

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Does this graph have any symmetry?  If so, where?  Remember to give reasons for your statements.

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Can all numbers go into this function?  Why or why not?  Can any number be an output?  Remember to justify your conclusions.

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What special point(s) does your graph have?  Is there a highest or a lowest point?  Remember to give reasons for your statements.  Is there a starting point or stopping point?

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What is the *x*-intercept, if any?  What is the *y*-intercept?

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What is the maximum value of this function?  What is the minimum value?

*Core Connections Algebra*