Function Toolkit #1

Use the Function Toolkit to sketch a graph of each of the following functions on the coordinate axes provided. Show all work, calculations, and tables where appropriate. State the domain, range, vertex, x- and y-intercepts when requested.  


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| Mapping Rule: | | | | |
| Base Function | |  | New Function | |
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| x-int | y-int | Domain | Range |



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| Mapping Rule: | | | | |
| Base Function | |  | New Function | |
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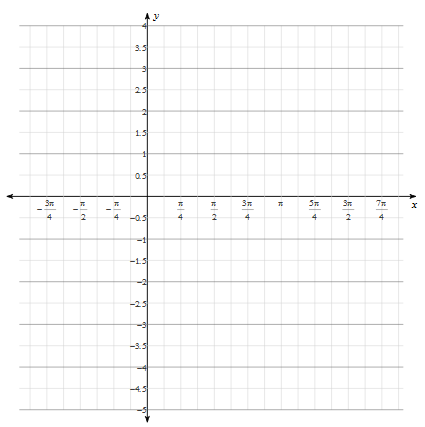


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| x-int | y-int | Domain | Range |

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| Mapping Rule: | | | | |
| Base Function | |  | New Function | |
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| x-int | y-int | Domain | Range |

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| Mapping Rule: | | | | |
| Base Function | |  | New Function | |
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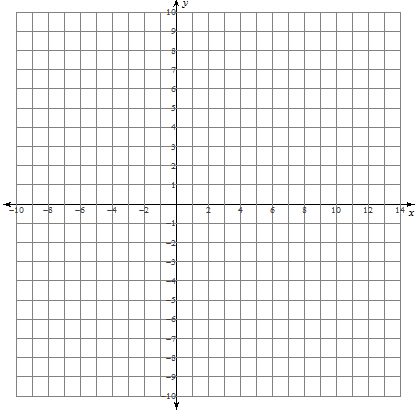
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| x-int | y-int | Domain | Range |



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Factor to find all the x-intercepts.

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| x-int | y-int | Domain | Range |
| Other points: | | | |





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| Mapping Rule: | | | | |
| Base Function | |  | New Function | |
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| x-int | y-int | Domain | Range |

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| x-int | y-int | Domain | Range  ---------- |
| Other points: | | | |

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   Factored form:
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| Mapping Rule: | | | | |
| Base Function | |  | New Function | |
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| x-int | y-int | Domain | Range |