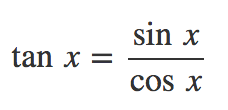
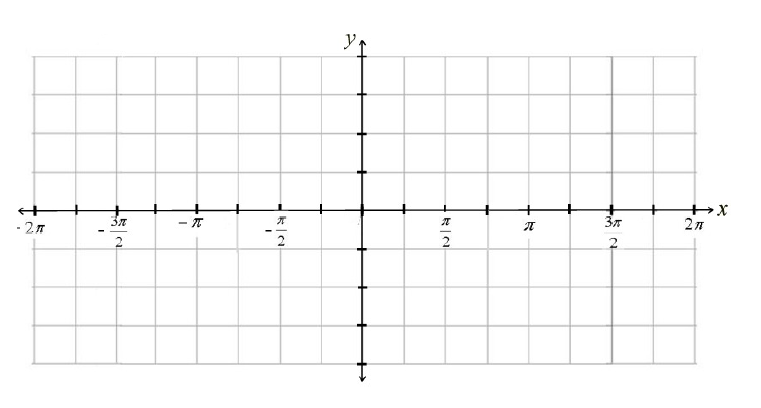
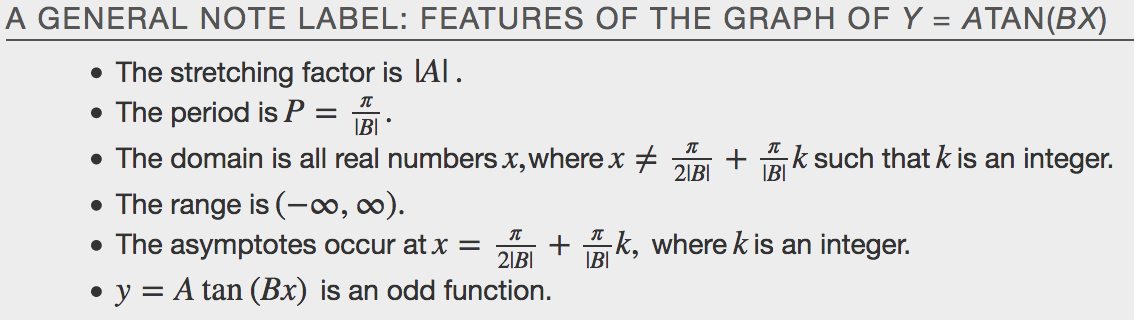
**8.2 – Graphs and Other Trig Functions**

**Analyzing the Graph of**

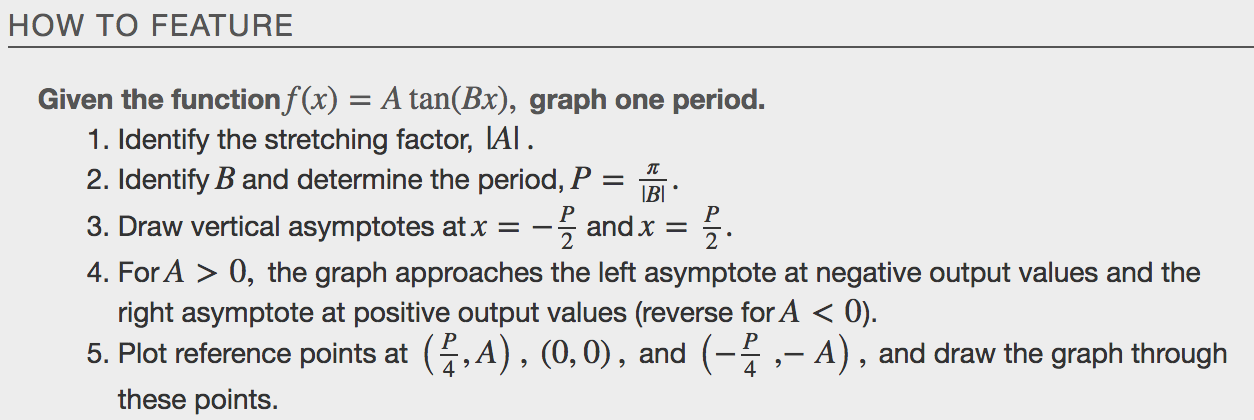


|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *x* | *0* |  |  |  |  |  |  |  |  |
| *sin (x)* | *0* |  |  |  | *1* |  |  |  | *0* |
| *cos (x)* | *1* |  |  |  | *0* |  |  |  | *-1* |
| *tan (x)* |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

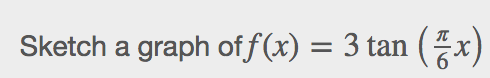


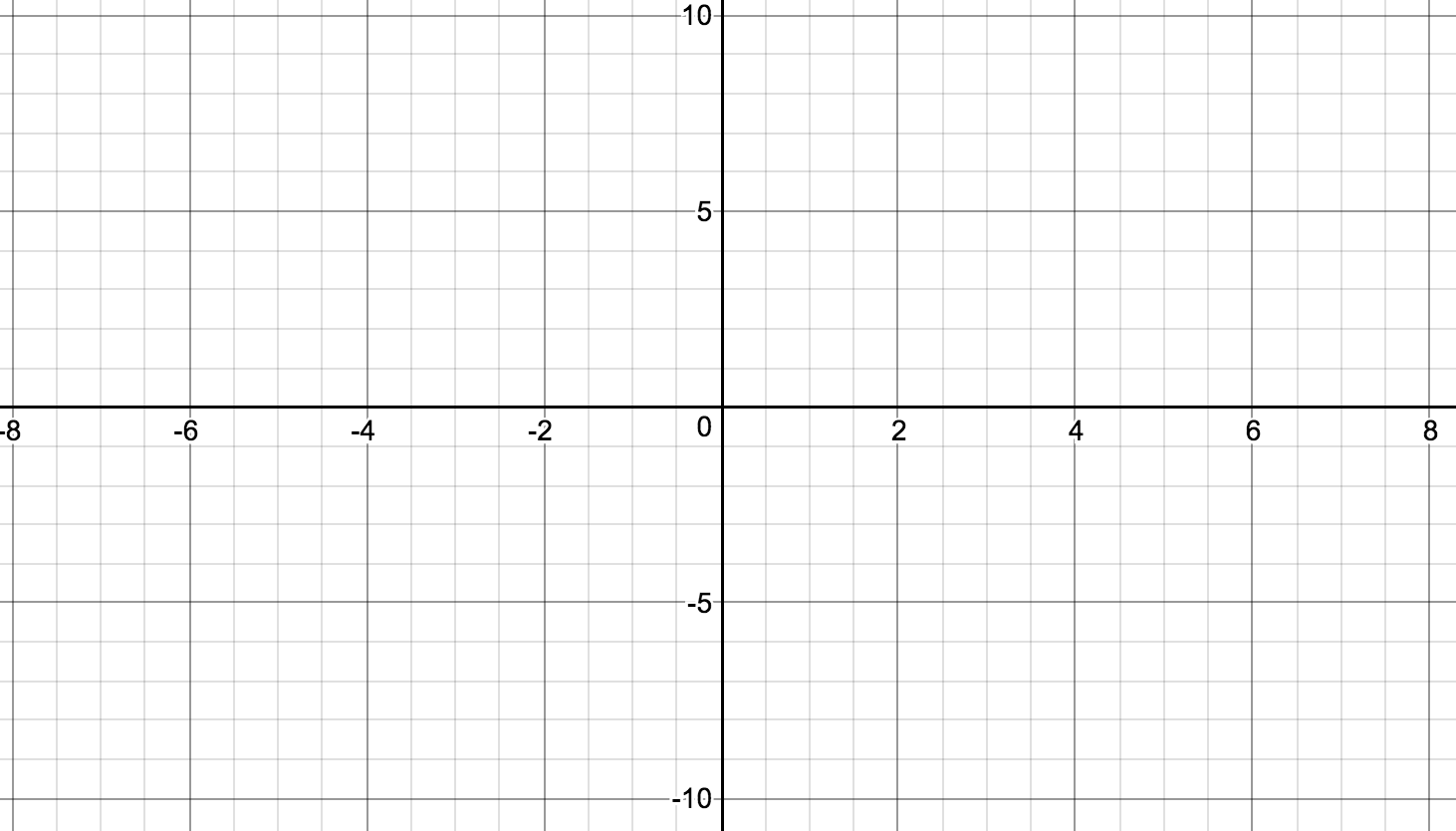


**Graphing Variations of**

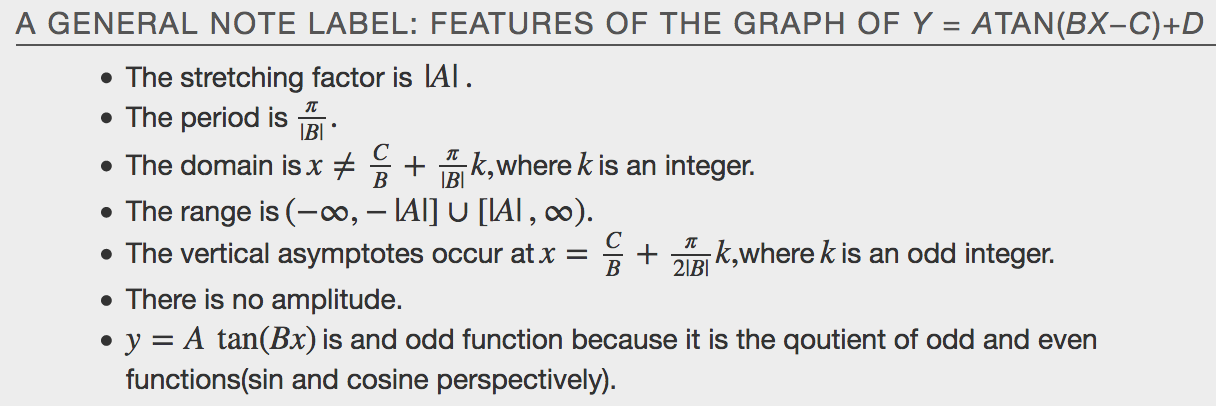
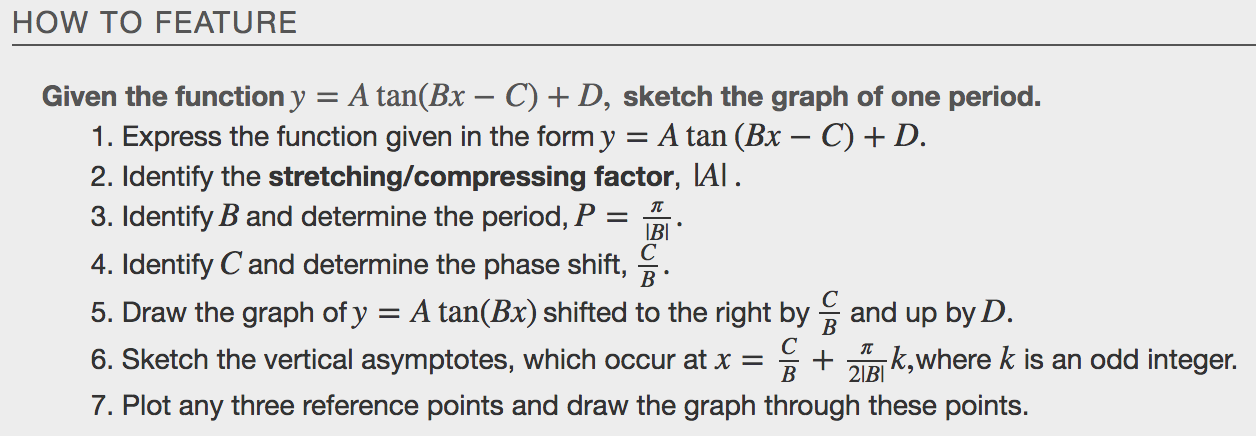


**Examples**

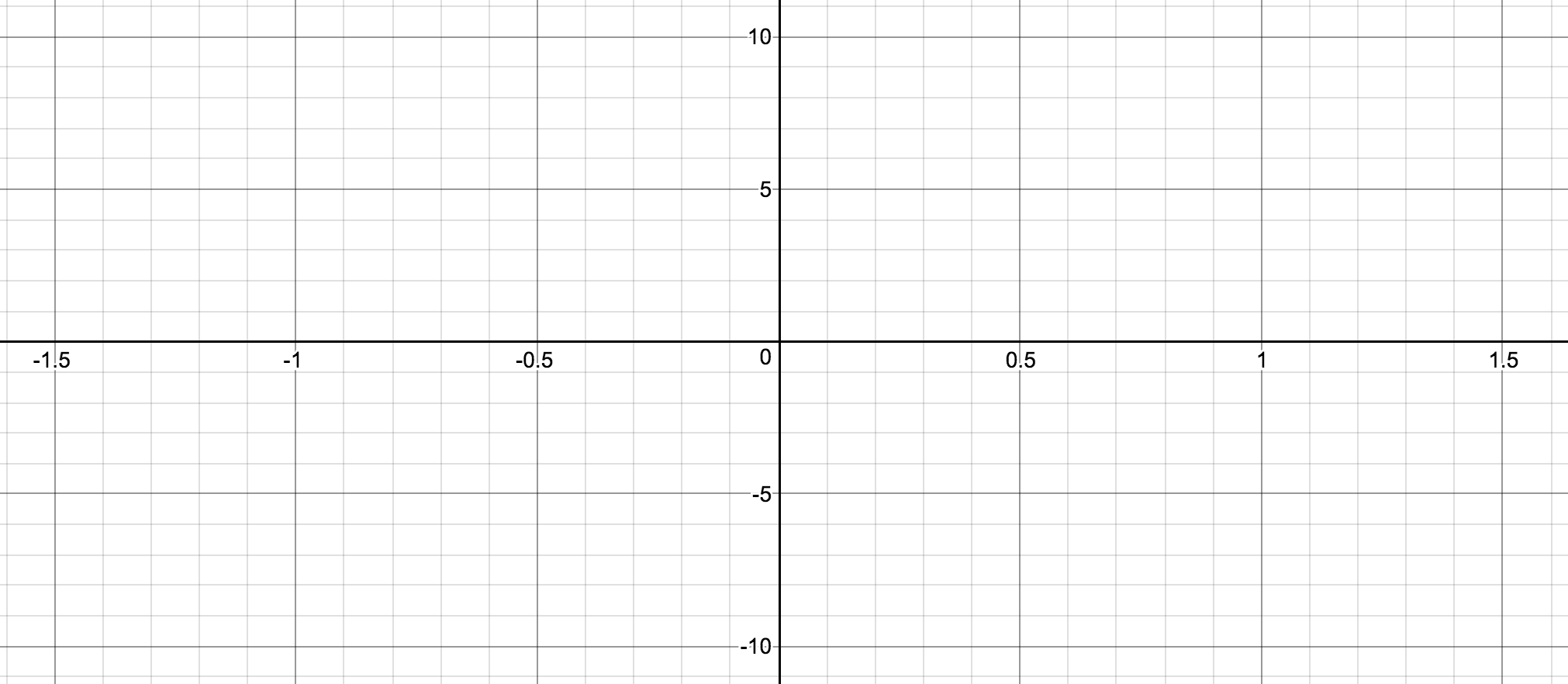


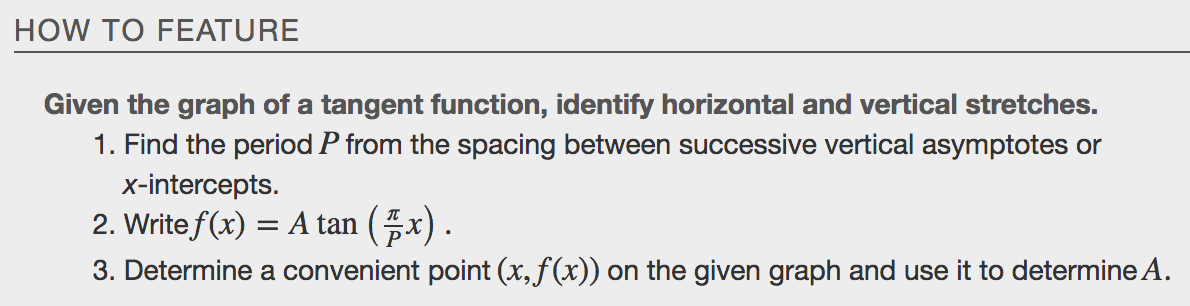


**Graphing One Period of a Shifted Tangent Function**

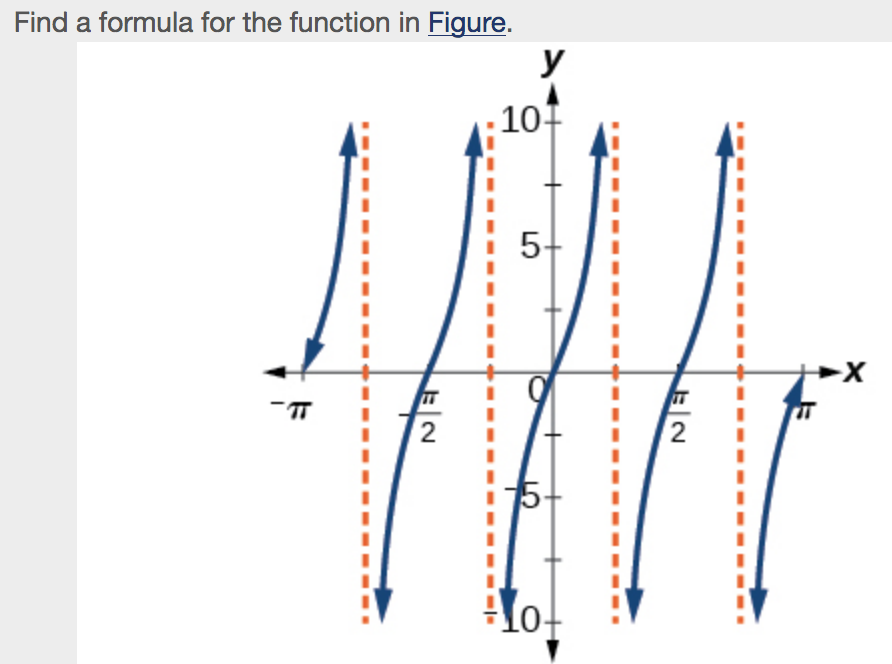
**** ****



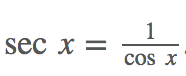
****

****

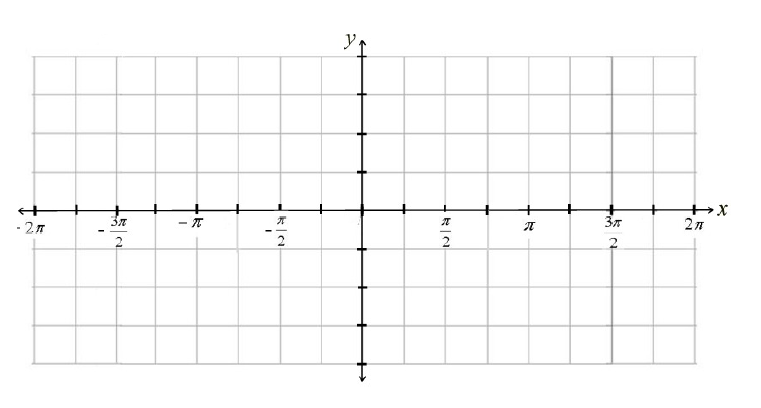
**Example**

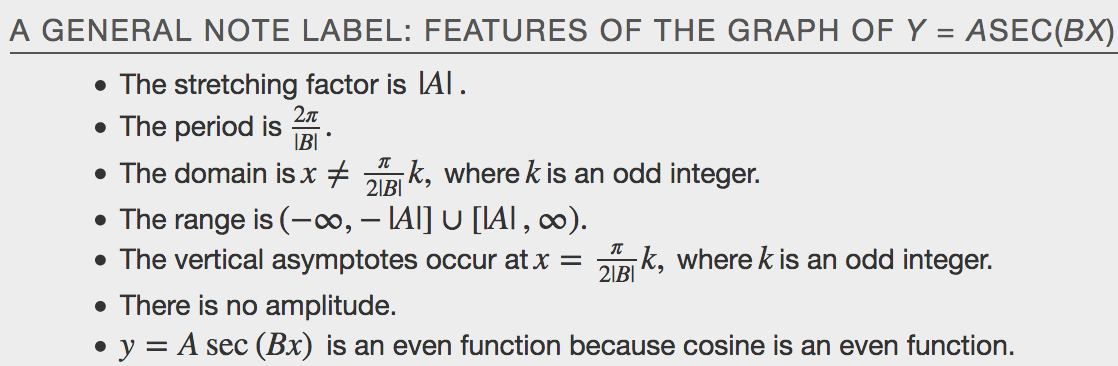
****

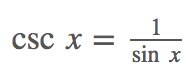
**Analyzing the Graph of and**

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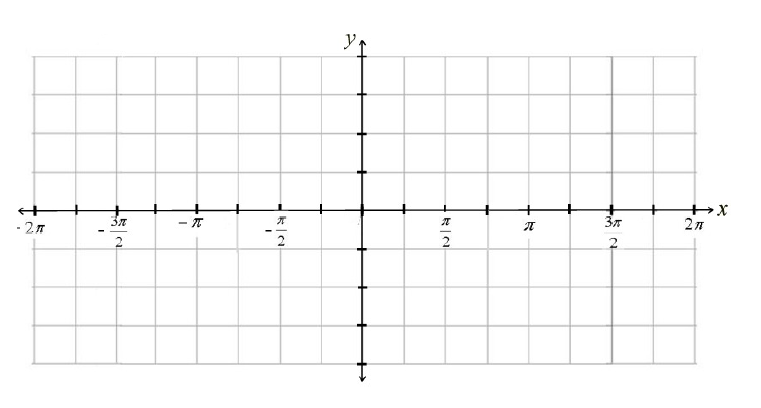
|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *x* | *0* |  |  |  |  |  |  |  |  |
| *cos (x)* | *1* |  |  |  | *0* |  |  |  | *-1* |
| *sec (x)* |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

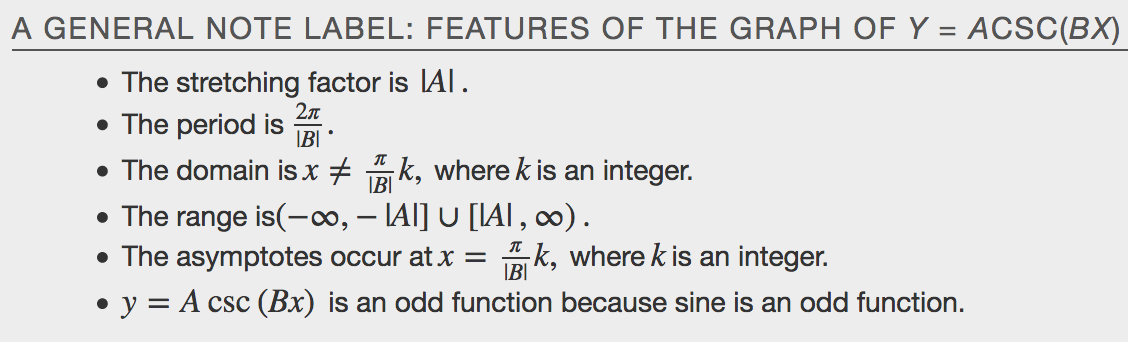


****

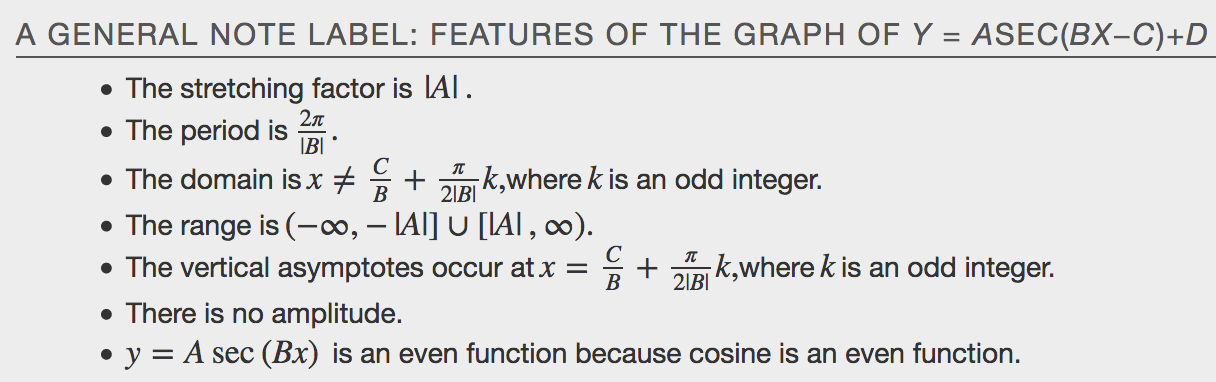
****

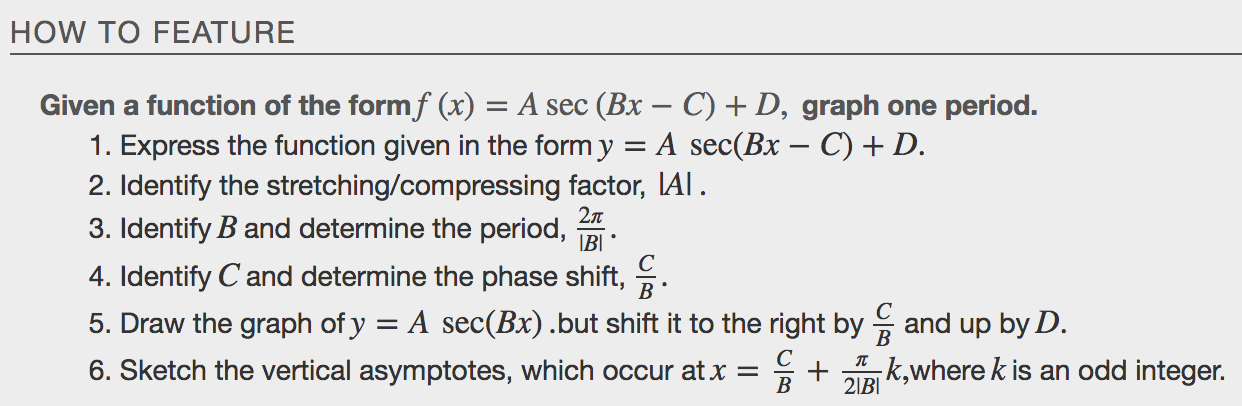
|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *x* | *0* |  |  |  |  |  |  |  |  |
| *sin (x)* | *0* |  |  |  | *1* |  |  |  | *0* |
| *csc (x)* |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |



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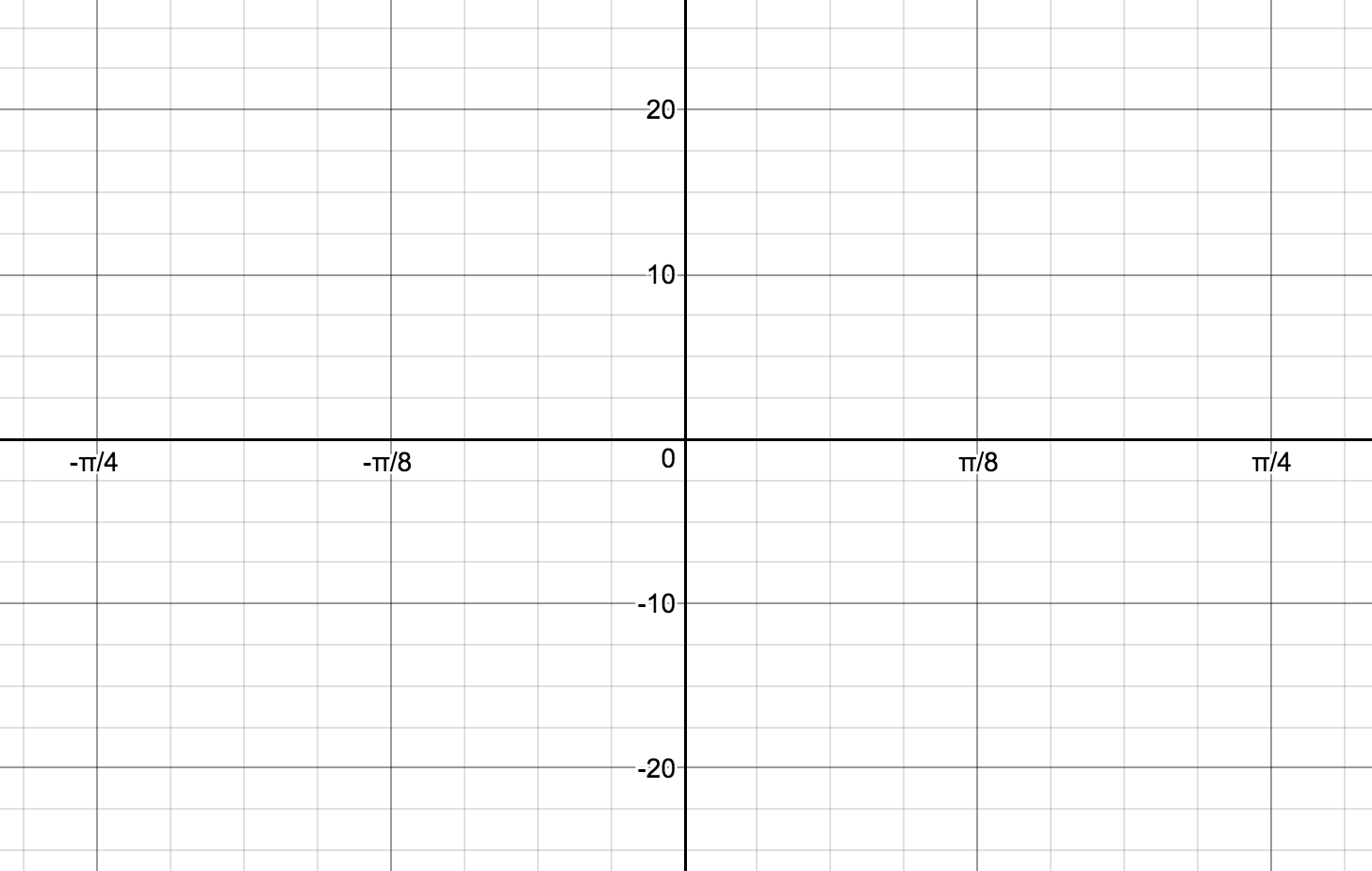
**Graphing Variations of**

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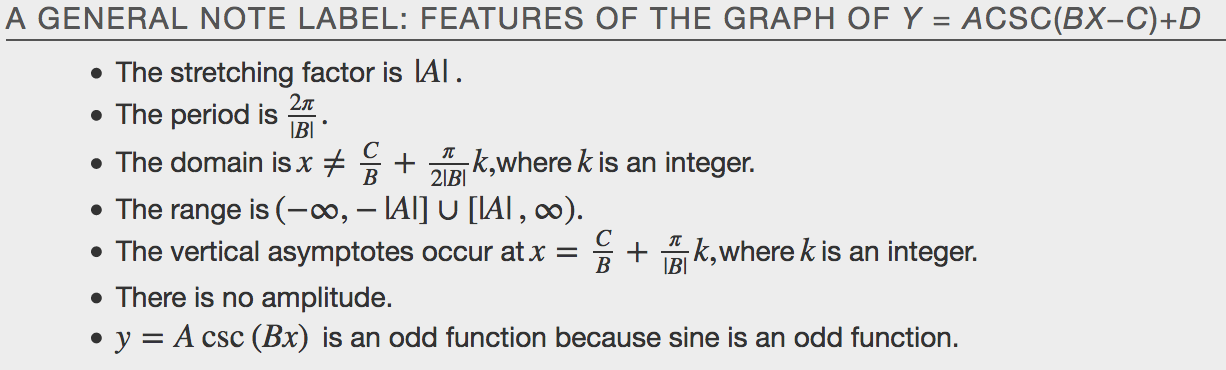
****

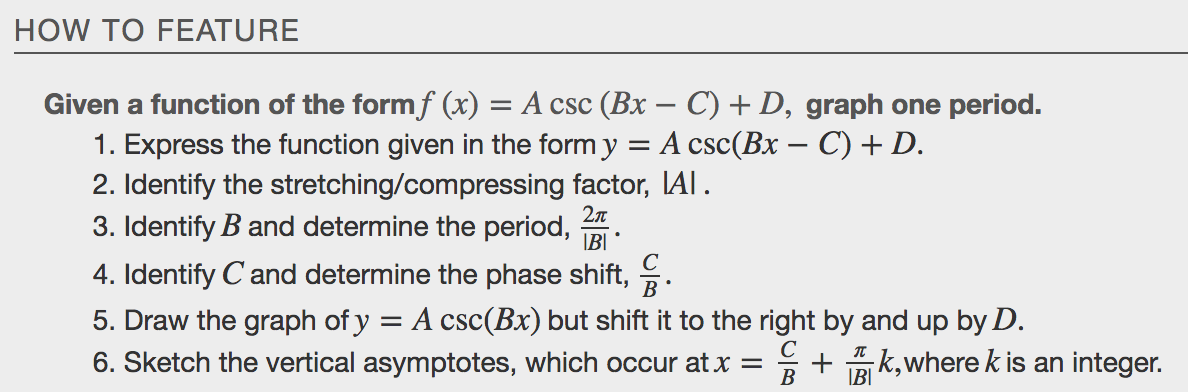
**Example**

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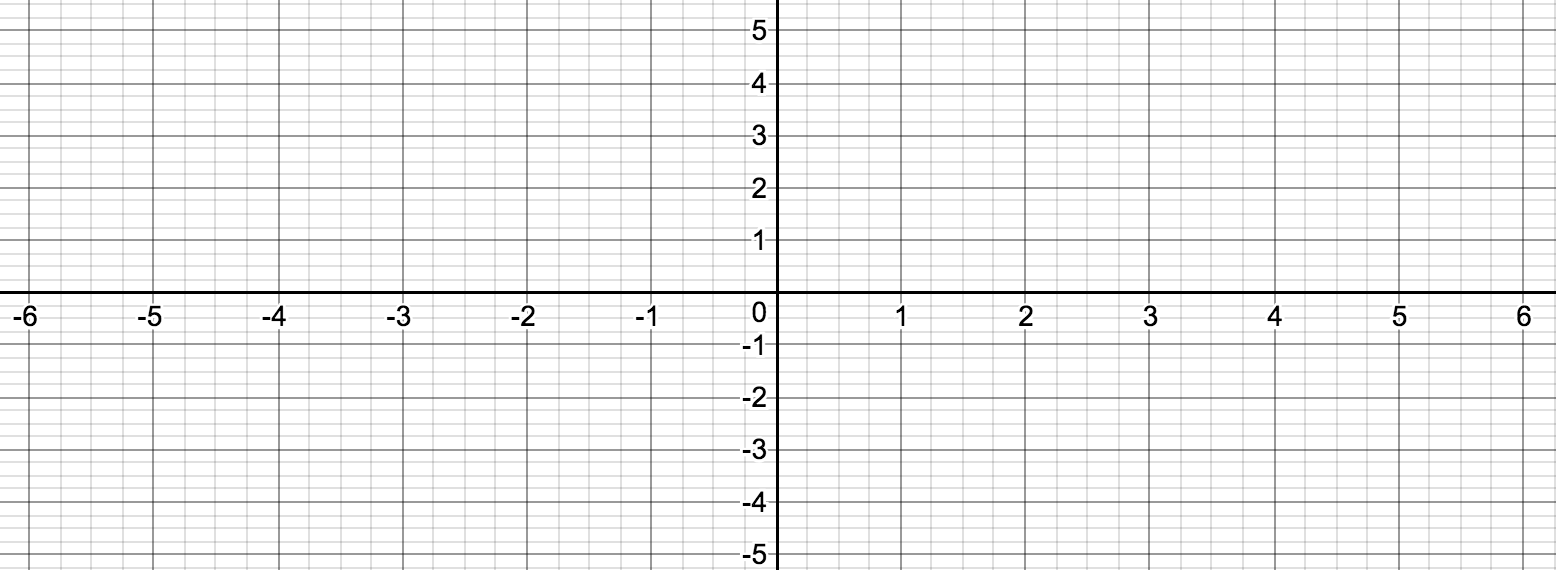
**Graphing Variations of**

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**Example**

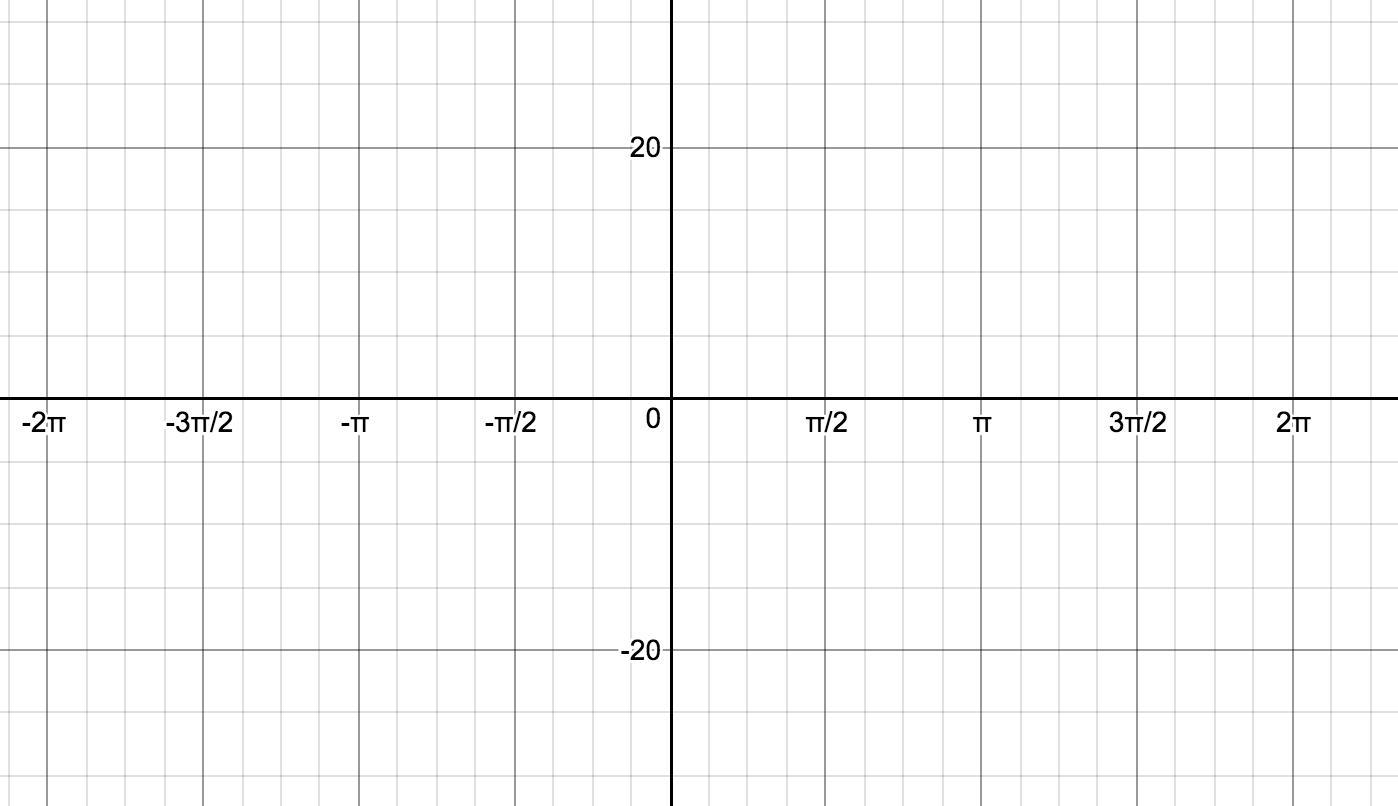
****

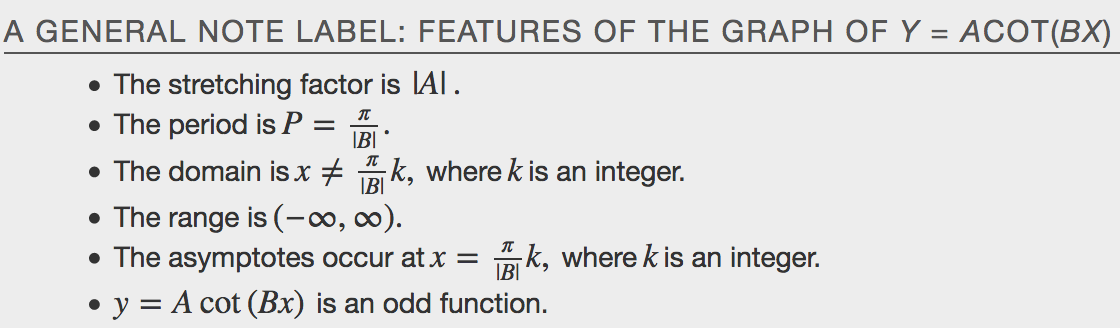
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**Analyzing the Graph of**

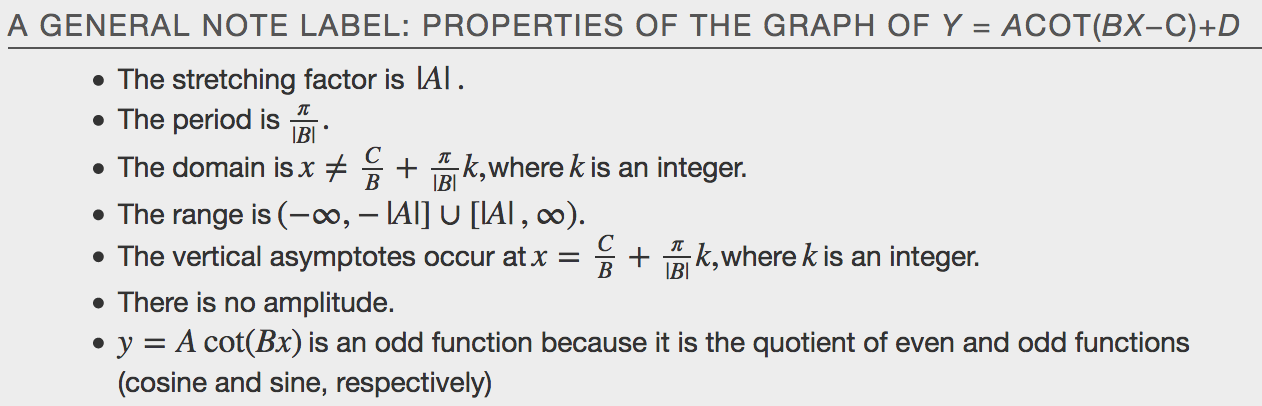
****

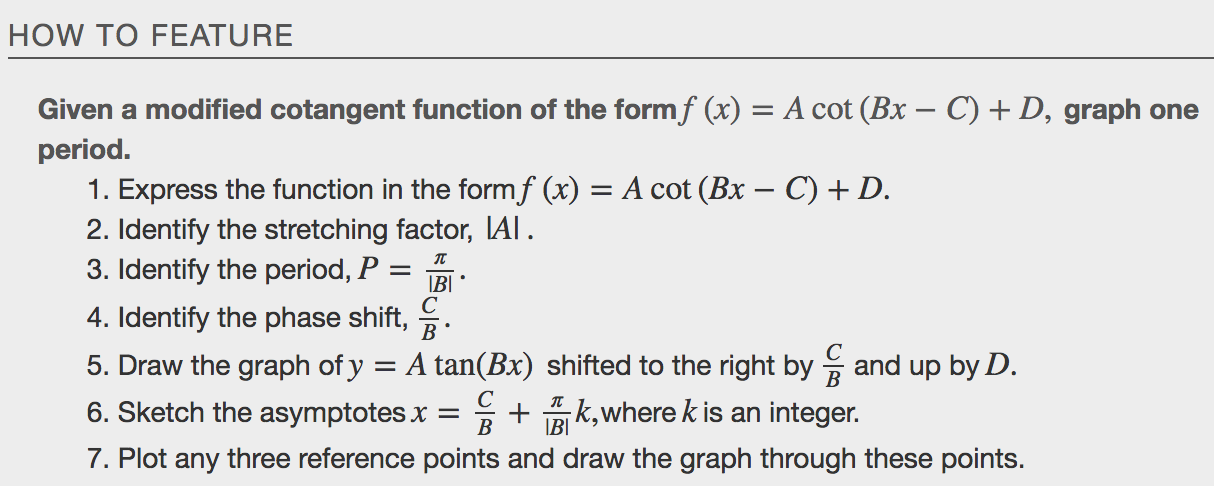
|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *x* | *0* |  |  |  |  |  |  |  |  |
| *cos (x)* | *1* |  |  |  | *0* |  |  |  | *-1* |
| *sin (x)* | *0* |  |  |  | *1* |  |  |  | *0* |
| *cot (x)* |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

****

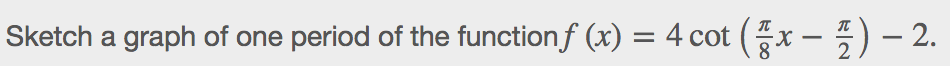
****

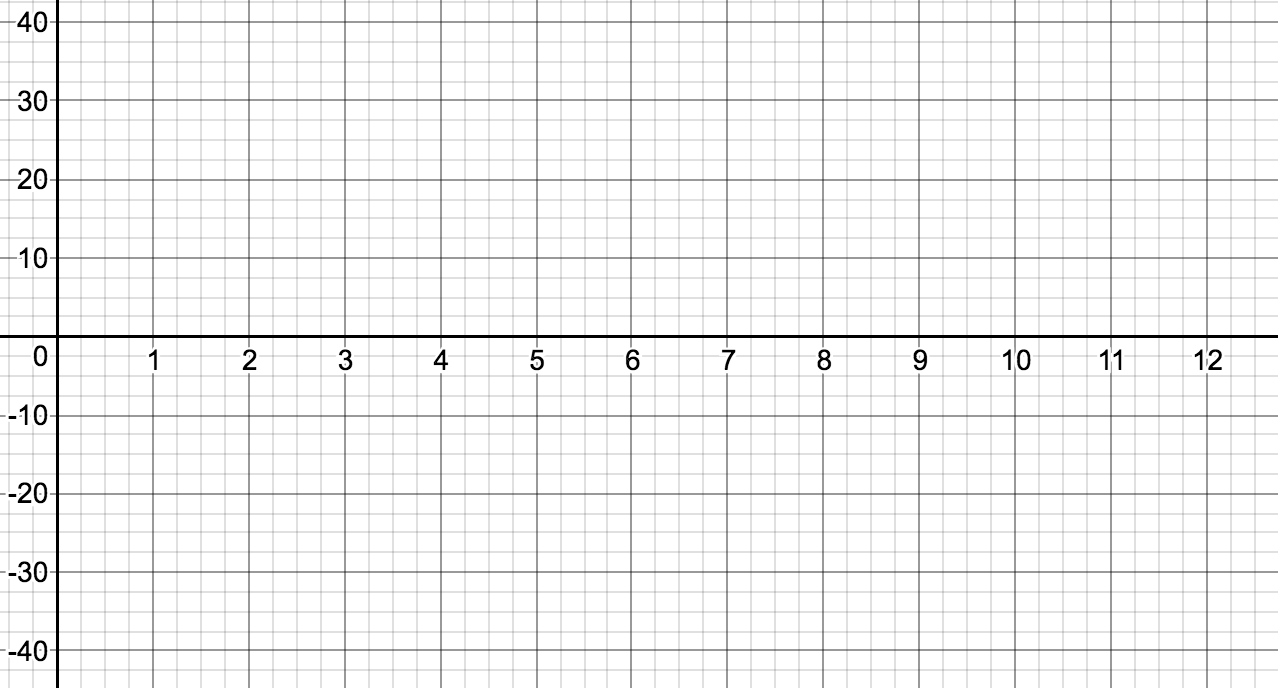
**Graphing Variations of**

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**Example**

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