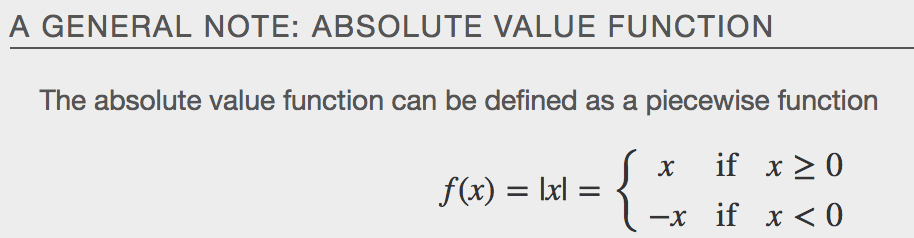
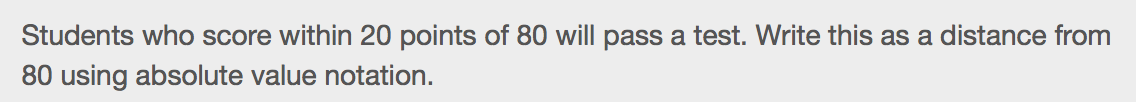
**3.6 – Absolute Value Functions**

**Understanding Absolute Value**

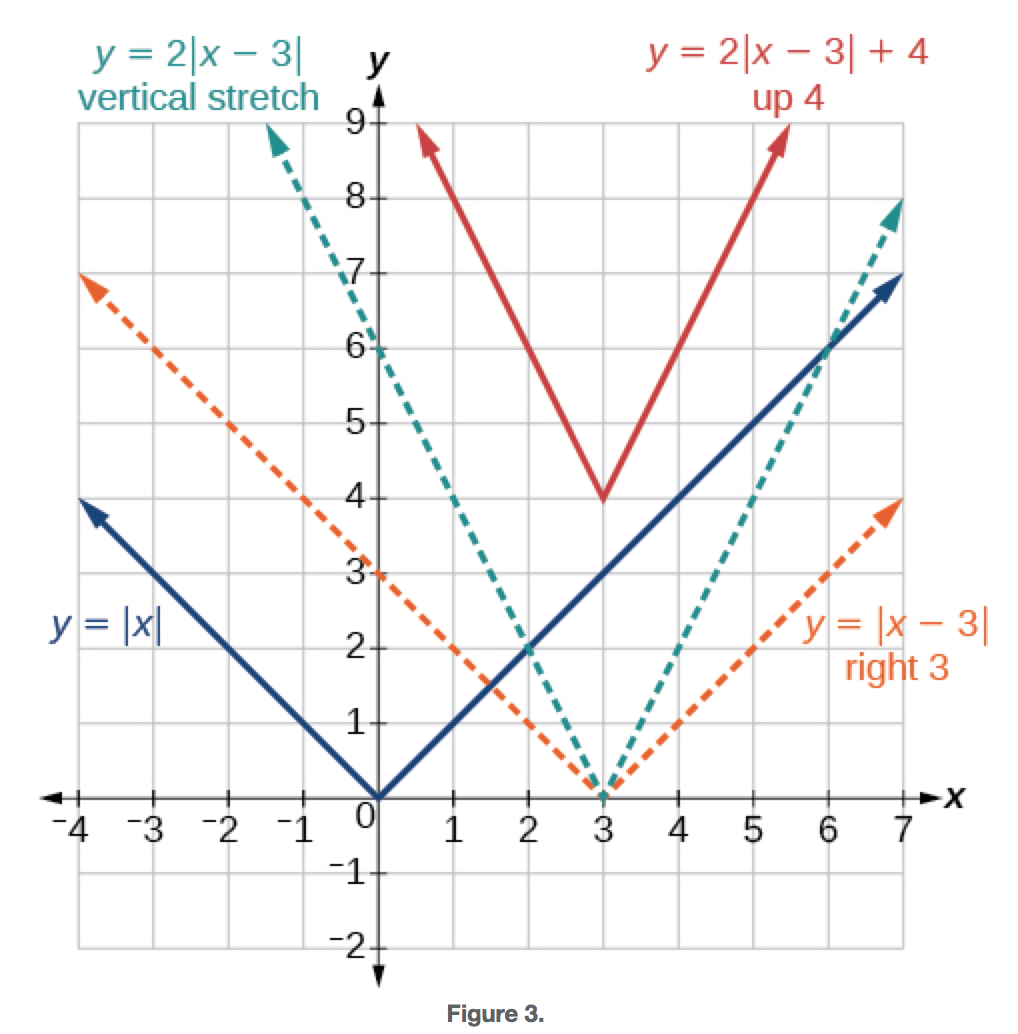
Recall that in its basic form *f*(*x*)=|*x*|,the absolute value function is one of our toolkit functions. The absolute value function is commonly thought of as providing the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the number is from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (the origin) on a number line.



**Example**

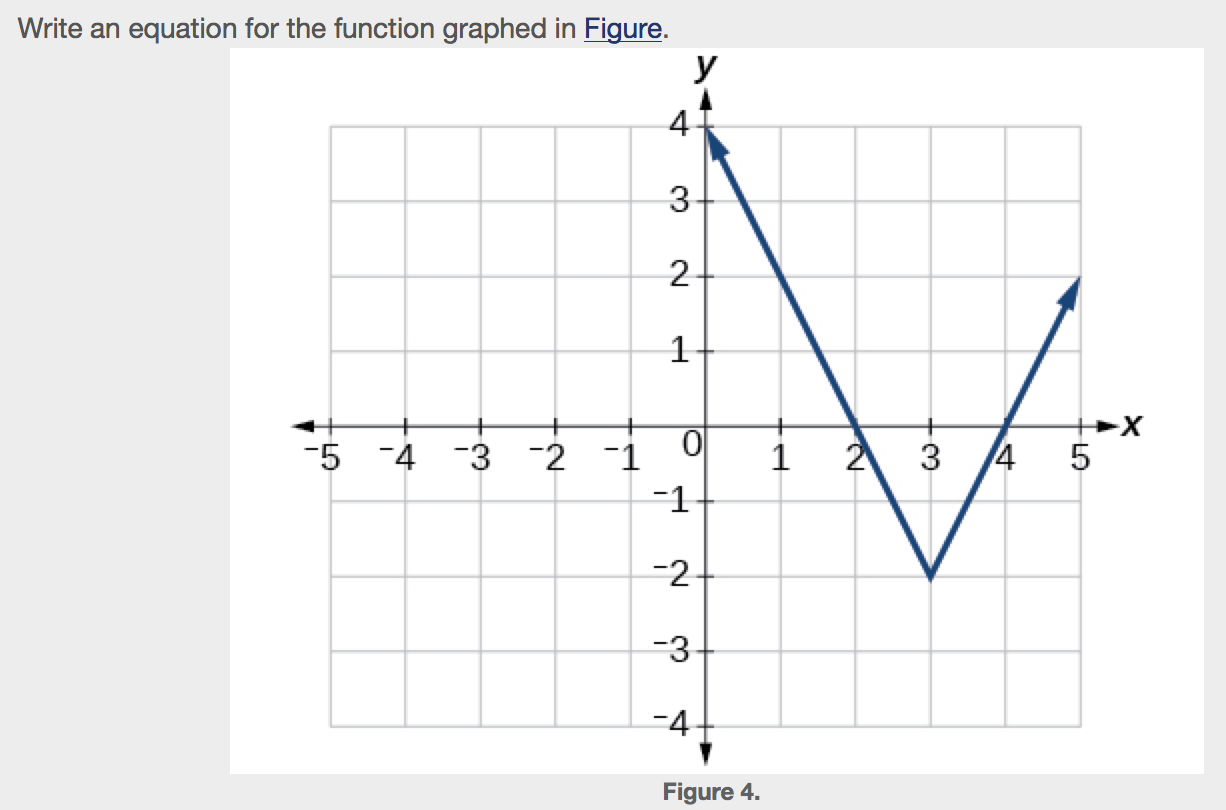
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**Graphing an Absolute Value Function**

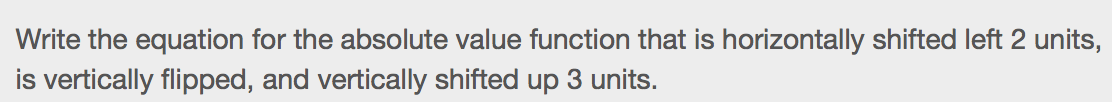
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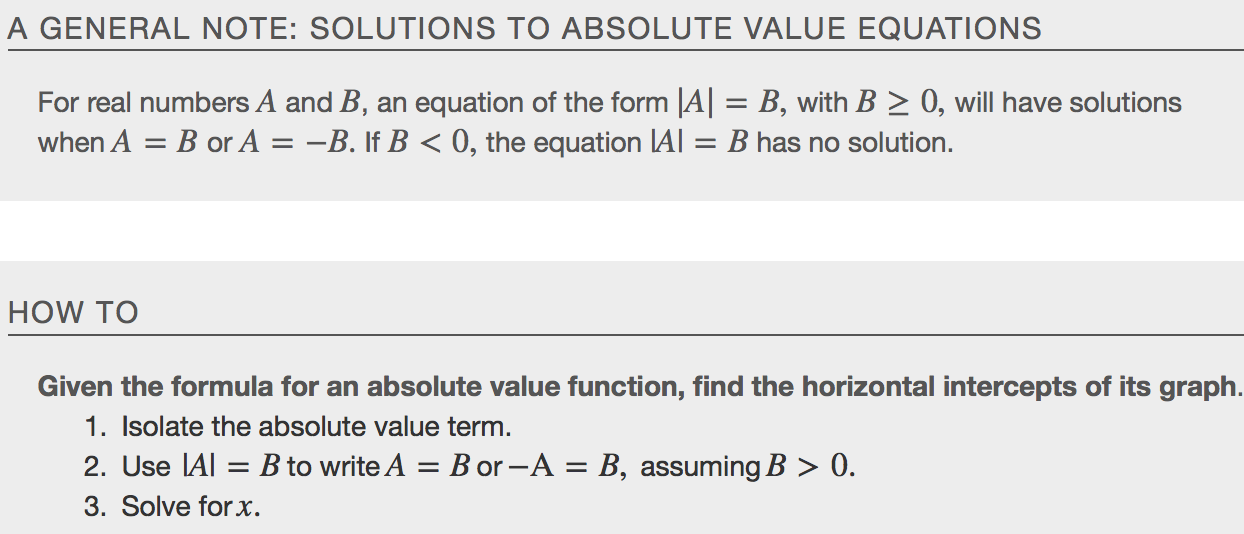
**Examples**

**a.**

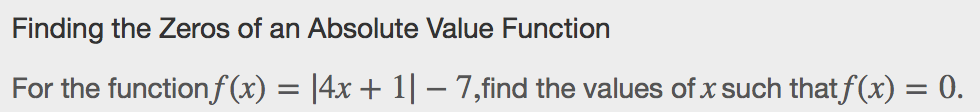
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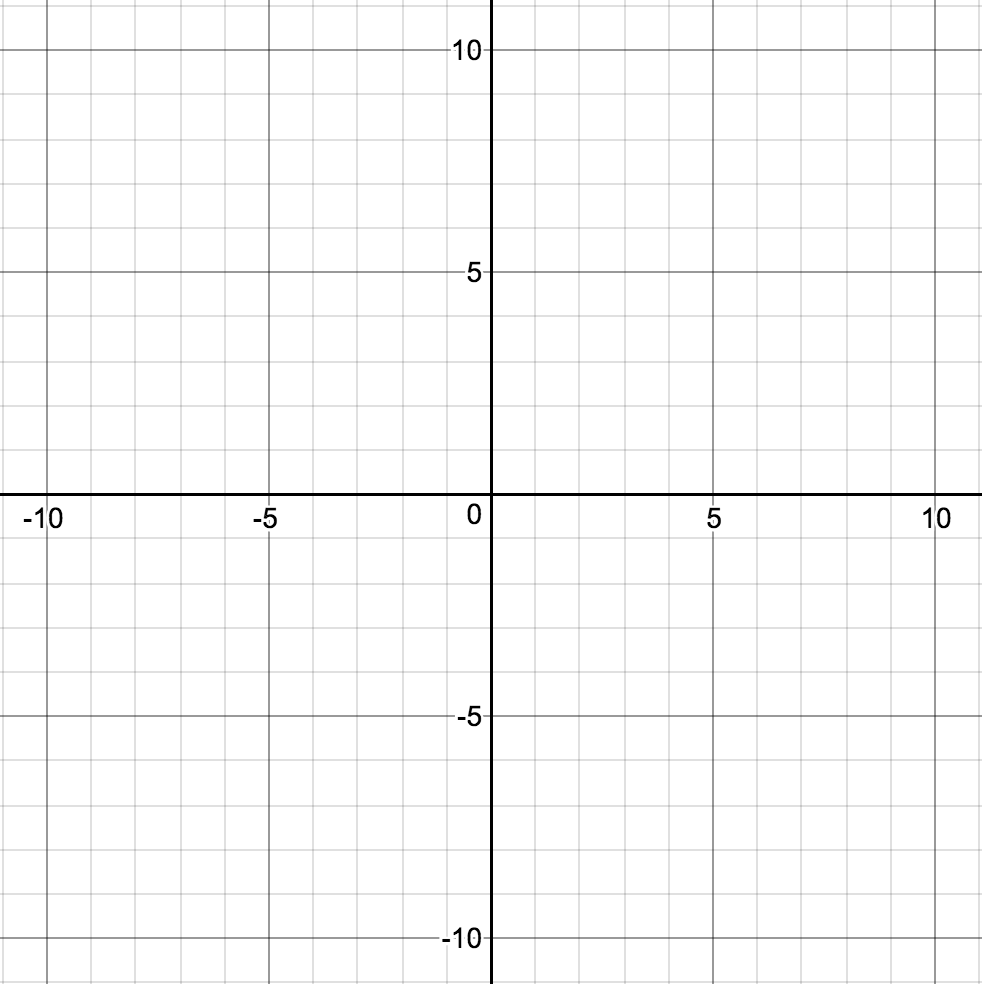
**b.**

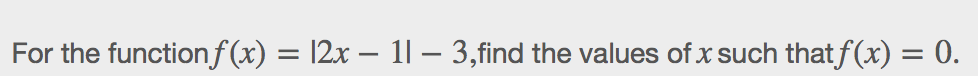
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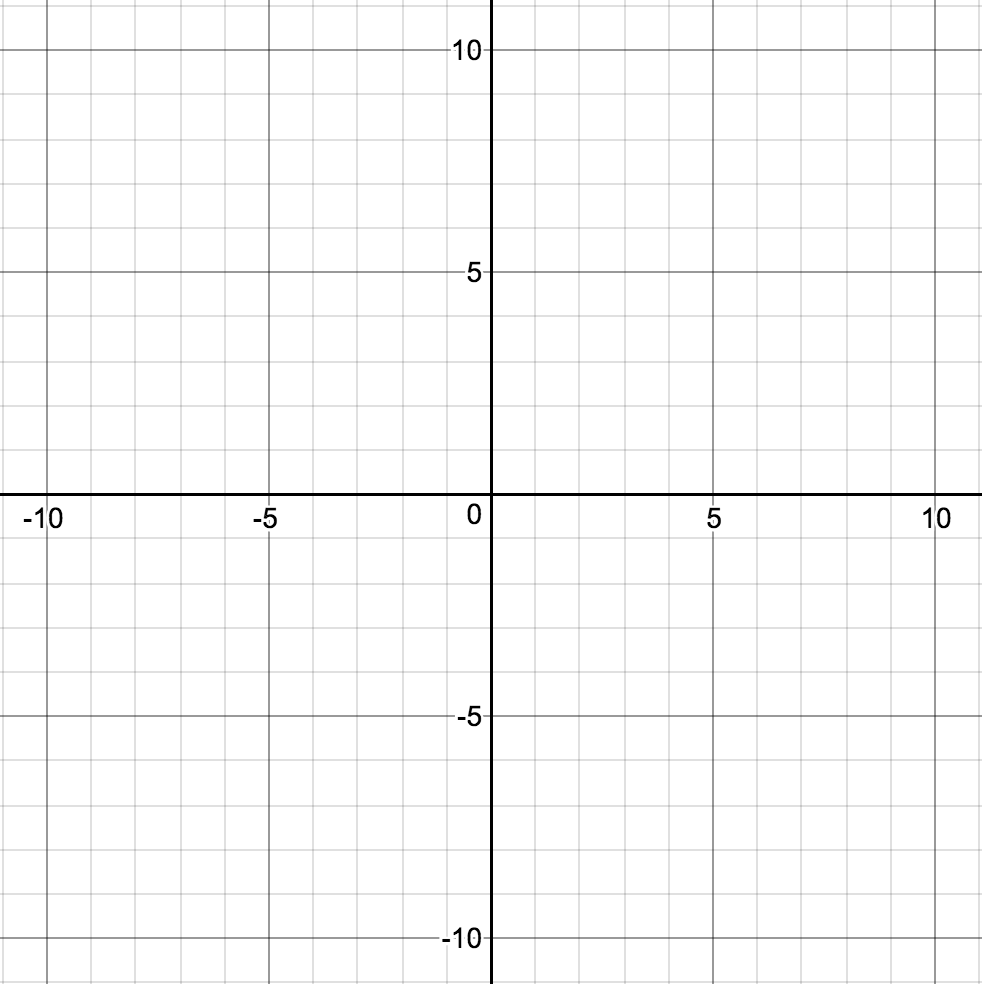
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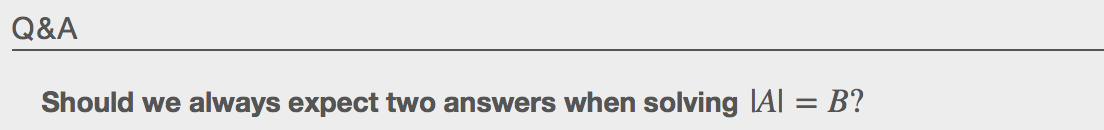
**Example**

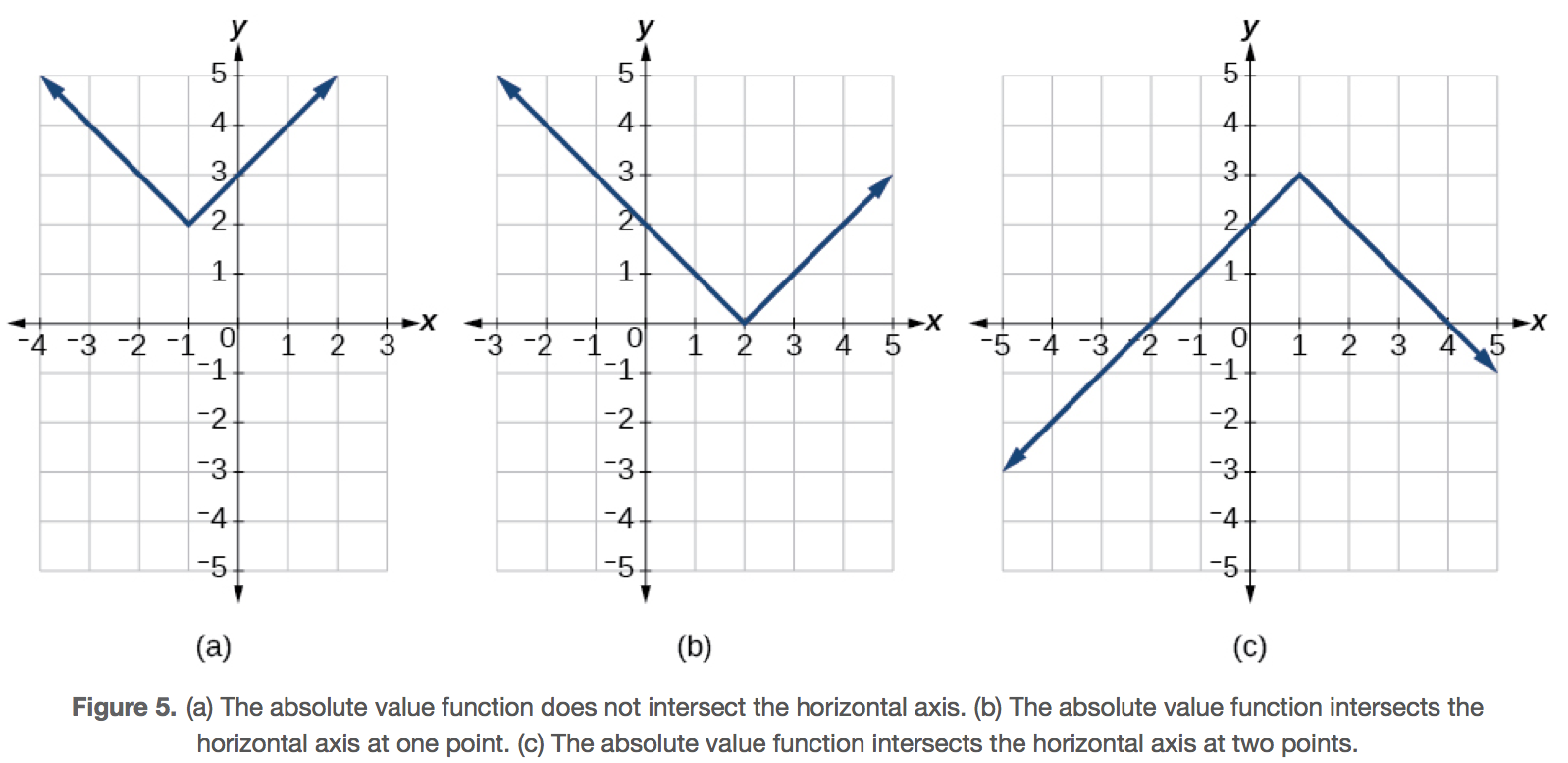
**a.** ****

****

**b.** ****

****

****

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