


| Big Idea \#2: All complex numbers have a real and an imaginary part. They are written as $a \pm b i$. <br> Solve each of these by finding the $x$-intercepts. <br> 9. $y=(x+2)^{2}+3$ <br> 10. $y=(x-3)^{2}-2$ <br> Which one has an imaginary solution? How can you determine this from the graph? |
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Summary: Describe the solutions to a quadratic that does not intersect the x-axis.

