

# Re: Point of intersection

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*Source:* <http://sci.tech-archive.net/Archive/sci.math/2008-03/msg04280.html>

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In article

<29733922.1206937493337.JavaMail.jakarta@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>, Dick <[cheney4prez2008@xxxxxxxxxx](mailto:cheney4prez2008@xxxxxxxxxx)> wrote:

The parametric equations traces out a loop

$$x = 5 - (3/2)t^2$$

$$y = -(1/2)t^3 + 3t + 2$$

What are the values of  $t$  at which the curve intersects itself?

hint: how can two distinct values of  $t$  give the same  $x$  value?

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