COMPLEX NUMBERS-- standard form of a complex number:

$r =$_____ or _____=

Formula for modulus or absolute value:

$\theta =$_____=

Formula for argument:

How to find x-coordinate: How to find y-coordinate:

Complex polar form or Trigonometric form of a complex number:

Complex conjugates =

Product of complex numbers: Quotient of complex numbers:

DeMoivre's Theorem: If $z = r(\cos\theta + i\sin\theta)$, then $z^n = r^n[\cos(n\theta + i\sin(n\theta)]$

*n*th roots of complex numbers: $z = r(\cos\theta + i\sin\theta)$ has exactly *n* distinct *n*th roots given by :

$r^{\frac{1}{n}}[\cos\alpha + i\sin\alpha]$, where $\alpha = \frac{\theta+360°k}{n}$ or $\alpha = \frac{\theta+2\pi k}{n}$

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PARAMETRIC EQUATIONS-- standard form of a parametric equations:

$v =$_____=

Formula for velocity:

$\theta =$_____ ____ _____=

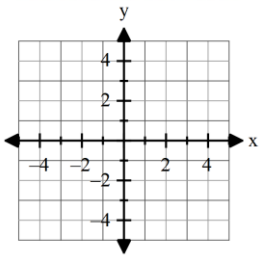
Formula for angle of inclination:

$t =$ _____ = _____

How to find x-coordinate:

How to find y-coordinate:

Graph:



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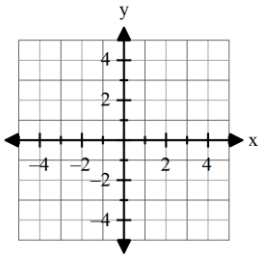

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