<u>VECTORS--</u> Component form of a vector: OR   OR

$r = \|v\|$_____ =

               Formula for magnitude:

$\theta =$_____ _____ =

               Formula for direction angle:

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

Dot product of 2 vectors: Scalar multiplication:

Linear combination: Add/subtract vectors:

Angle between 2 vectors:

Parallel vectors: Orthogonal or Perpendicular vectors:

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RECTANGULAR COORDINATES-- Ordered pair for rectangular coordinate:

$h =$_____$=$

             Formula for hypotenuse:

$\theta =$_____ _____ $=$

             Formula for reference angle:

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Changing rectangular coordinates to polar coordinates:

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