**Math 163  
13.2: Derivative and Integrals of Vector Functions  
Questions for flipped class**

**(13.2.1)**

Consider the vector equation

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Find the derivative and sketch the (a.) plane curve together with the (b.) position vector and (c.) tangent vector at *t* = 2.

**(13.2.2)**

Find the unit tangent vector of the given curve at the point with the parameter value *t* = 0



**(13.2.3)**



**(13.2.4)**

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**(13.2.5)**

Find parametric equations for the tangent line to the curve with the given parametric equations at the specified point.

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**(13.2.6)**



**(13.2.1 solution)**

A graph of a function

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**(13.2.2 solution)**

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**(13.2.3 solution)**

A math equations and numbers

Description automatically generated with medium confidence

**(13.2.4 solution)**

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**(13.2.5 solution)**

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**(13.2.6 solution)**

**A math equations and formulas

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