Name:	Exercise Type:
J#:	**Quiz**
Date: **2017 July 19**	

Standard: This student is able to...	Mark:
C10: VectField. Analyze vector fields, including computing curl and divergence.	
4/4 ⋆ reattempt due on:	

Find the curl and divergence of the vector field $\mathbf{F}(x,y,z) = \langle x+z^2, y+x^2, z+y^2\rangle$. Then compute the curl and divergence of the vector field at the point $\langle 3,-2,1\rangle$.

Name:	Exercise Type:
J#:	**Quiz**
Date: **2017 July 19**	

Standard: This student is able to...	Mark:
C11: LineInt. Compute and apply line integrals.	
2/4 ⋆ reattempt due on:	

Rewrite $\int_C (x+2y)\,ds$ as a definite integral with respect to t, where C is the circle $(x-2)^2+(y-3)^2=4$. (Do not solve this integral.)

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J#:	**Quiz**
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Standard: This student is able to...	Mark:
C12: FundThmLine. Apply the Fundamental Theorem of Line Integrals.	
1/4 ⋆ reattempt due on:	

Find $\int_C \mathbf{F} \cdot d\mathbf{r}$ where $\mathbf{F} = \langle 2xz, -3z, x^2 - 3y \rangle$ and C is an unknown curve that begins at $\langle 1, 1, 1 \rangle$ and ends at $\langle 2, 0, 1 \rangle$.