Name:	Exercise Type (Cost):
J#:	**In-Class (1AP)**
Date: **2017 June 09**	

Standard: This student is able to...	Mark:
C02: HypDerInt. Find derivatives and integrals involving hypberbolic functions.	
4/4 ⋆ reattempt due on:	

Show that $\int 4z\,\mathrm{sech}^2(z^2)\,dz = 2\tanh(z^2) + C$.

Name:	Exercise Type (Cost):
J#:	**In-Class (1AP)**
Date: **2017 June 09**	

Standard: This student is able to...	Mark:
S02: HypPrf. Prove hyperbolic function identities.	
3/3 ⋆ reattempt due on:	

Use the definitions

$$\sinh(x) = \frac{e^x - e^{-x}}{2} \qquad \cosh(x) = \frac{e^x + e^{-x}}{2}$$

to prove that $\frac{d}{dx}[\sinh(x)] = \cosh(x)$.

Name:	Exercise Type (Cost):
J#:	**In-Class (1AP)**
Date: **2017 June 09**	

Standard: This student is able to... **C03: IntSub.** Use integration by substitution. 2/4 ⋆ reattempt due on:	Mark:

Find $\int \frac{z^2+1}{z^3+3z+7}\,dz$.

Name:	Exercise Type (Cost):
J#:	**In-Class (1AP)**
Date: **2017 June 09**	

Standard: This student is able to...	Mark:
S03: TrigId. Integrate products of trigonometric functions by applying trigonometric identities.	
1/3 ⋆ reattempt due on:	

Find $\int \sin^3\theta\cos^2\theta\,d\theta$.