Name:	Exercise Type (Cost):
J#:	**In-Class (1AP)**
Date: **2017 July 13**	

Standard: This student is able to...	Mark:
C06: AreaBtCurv. Express an area between curves as a definite integral.	
Extra1 ⋆ reattempt due on:	

Find a definite integral equal to the area bounded by $y = 2x$ and $y = 2x^2 - 4x$.

Name:	Exercise Type (Cost):
J#:	**In-Class (1AP)**
Date: **2017 July 13**	

Standard: This student is able to...	Mark:
C11: SeqLim. Compute the limit of a convergent sequence.	
4/4 ⋆ reattempt due on:	

Find $\lim_{m\to\infty} \dfrac{3-m^2}{4m^2-5m+7}$.

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J#:	**In-Class (1AP)**
Date: **2017 July 13**	

Standard: This student is able to...	Mark:
C12: PartSum. Find the value of a convergent series by expressing it as a limit of partial sums.	
3/4 ⋆ reattempt due on:	

Recall that $\lim_{n\to\infty} x^n$ diverges when $|x| \geq 1$. Find a formula for the partial sum $s_n = a_0 + a_1 + \cdots + a_n$ where $a_n = \frac{2^{2n}}{3^n}$. Then use this formula to prove that $\sum_{n=0}^{\infty} \frac{2^{2n}}{3^n}$ diverges.

Name:	Exercise Type (Cost):
J#:	**In-Class (1AP)**
Date: **2017 July 13**	

Standard: This student is able to...	Mark:
S11: GeoAlt. Determine if a geometric series or alternating series is convergent or divergent.	
2/3 ⋆ reattempt due on:	

Let a_n be positive and monotonic (non-increasing or non-decreasing). Recall that the alternating series $\sum_{n=N}^{\infty}(-1)^n a_n$ converges if and only if $\lim_{n\to\infty} a_n = 0$.
Does the series $\sum_{k=2}^{\infty}(-1)^k \frac{k}{k^2+1} = \frac{2}{5} - \frac{3}{10} + \frac{4}{17} - \frac{5}{26} + \ldots$ converge or diverge?

Name:	Exercise Type (Cost):
J#:	**In-Class (1AP)**
Date: **2017 July 13**	

Standard: This student is able to...	Mark:
S12: IntTest. Use the integral test to determine series convergence.	
1/3 ⋆ reattempt due on:	

Does $\int_8^\infty \frac{3}{\sqrt[3]{x}}\,dx$ converge or diverge?

Does $\sum_{k=3}^\infty \frac{3}{\sqrt[3]{k}}$ converge or diverge?