Name:	Exercise Type (Cost):
J#:	**In-Class (1AP)**
Date: **2017 July 19**	

Standard: This student is able to...	Mark:
C10: Polar. Convert and sketch polar and Cartesian coordinates and equations.	
Extra2 ⋆ reattempt due on:	

Give an inequality involving polar coordinates that describes the fourth quadrant of the xy plane (where x is positive and y is negative).

Name:	Exercise Type (Cost):
J#:	**In-Class (1AP)**
Date: **2017 July 19**	

Standard: This student is able to...	Mark:
S13: RatioRoot. Use the ratio and root tests to determine series convergence.	
3/3 ⋆ reattempt due on:	

Use either the Ratio or Root Test to determine whether $\sum_{n=0}^{\infty} \frac{4^n}{3^{2n+1}} = \frac{1}{3} + \frac{4}{27} + \frac{16}{243} + \ldots$ converges or diverges.

Name:	Exercise Type (Cost):
J#:	**In-Class (1AP)**
Date: **2017 July 19**	

Standard: This student is able to...	Mark:
S14: CompTests. Use the comparison tests to determine series convergence.	
2/3 ⋆ reattempt due on:	

Does $\displaystyle\sum_{m=0}^{\infty} \frac{1}{\sqrt[3]{m^2+1}} = 1 + \frac{1}{\sqrt[3]{2}} + \frac{1}{\sqrt[3]{5}} + \ldots$ converge or diverge?

Name:	Exercise Type (Cost):
J#:	**In-Class (1AP)**
Date: **2017 July 19**	

Standard: This student is able to...	Mark:
C13: SerTech. Identify series as convergent or divergent along with appropriate techniques to determine convergence or divergence.	
1/4 ⋆ reattempt due on:	

For each series, choose **one** technique that would be appropriate to determine convergence/divergence. (There may be multiple correct responses.) Then choose whether the series is convergent or divergent. You do not need to show your work.

$\sum_{k=1}^{\infty} \frac{k}{4+k^2}$

- Partial Sum Sequence
- Divergence Test
- Geometric Series Test
- Alternating Series Test
- Integral Test
- p-Series Test
- Ratio Test
- Root Test
- Direct/Limit Comp. Test

- Converges
- Diverges

$\sum_{m=0}^{\infty} \frac{8^m}{3^{m+1}}$

- Partial Sum Sequence
- Divergence Test
- Geometric Series Test
- Alternating Series Test
- Integral Test
- p-Series Test
- Ratio Test
- Root Test
- Direct/Limit Comp. Test

- Converges
- Diverges

$\sum_{n=2}^{\infty} (-1)^n \frac{1}{n^2}$

- Partial Sum Sequence
- Divergence Test
- Geometric Series Test
- Alternating Series Test
- Integral Test
- p-Series Test
- Ratio Test
- Root Test
- Direct/Limit Comp. Test

- Converges
- Diverges