

HW #9 Final Answers

1.  $\infty$  Diverges

2.  $\frac{1}{36}$  Converges

3.  $\frac{7}{9e^6}$  Converges

4.  $\frac{3}{4e^2}$  Converges

5.  $1$  Converges

6.  $\infty$  Diverges

7.  $\frac{3\pi}{20}$  Converges

8.  $\ln 7$  Converges

9.  $-\infty$  Diverges

10.  $\infty$  Diverges

11.  $-\frac{1}{4}$  Converges

12.  $\infty$  Diverges (b/c one piece Diverges)

13.  $\frac{\pi}{2}$  Converges (b/c BOTH pieces Converge)