

Name : _____

Convergence & Divergence

Sheet 2

Determine whether each geometric series converges or diverges.

1) $9.1 + 6.37 + 4.459 + 3.1213 + \dots$

2) $8 + 48 + 288 + 1728 + \dots$

3) $-2 + 6 - 18 + 54 - \dots$

$+\frac{1}{\sqrt{5}} + \dots$

5) $\frac{6}{7} - \frac{3}{7} + \frac{3}{14} - \dots$

$-1.168 - 0.4672 - \dots$

7) $\frac{4}{9} + \frac{4}{15} + \frac{4}{25} + \frac{12}{125} + \dots$

8) $11 - 22 + 44 - 88 + \dots$

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