

**Part 1** Answers these questions.

Find each sum, if it exists. Show work when sum exists. Give exact sums, no rounded answers.

1.  $\sum_{n=1}^{\infty} 12(0.8)^{n-1}$

2.  $\sum_{n=1}^{\infty} 50 - 8(n - 1)$

3.  $47 + -\frac{47}{3} + \frac{47}{9} + -\frac{47}{27} + \dots$

**Part 2** More Practice pages 9-13, Agile Mind website for Topic 1: Exploring