

Name : \_\_\_\_\_

## First Term & Common Ratio

Sheet 2

Write the first term(a) and the common ratio(r) of each geometric sequence.

1)  $-\frac{11}{2}, -\frac{33}{8}, -\frac{99}{32}, -\frac{297}{128}, -\frac{891}{512}, \dots$

2)  $-6.4, 12.8, -25.6, 51.2, -102.4, \dots$

a = \_\_\_\_\_ ; r = \_\_\_\_\_

a = \_\_\_\_\_ ; r = \_\_\_\_\_

3)  $2.8, -11.2, 44.8, \dots$

$5, -375, -1875, \dots$

a = \_\_\_\_\_ ; r = \_\_\_\_\_

a = \_\_\_\_\_ ; r = \_\_\_\_\_

5)  $12, 180, 2700, \dots$

$\frac{9\sqrt{3}}{16}, \dots$

a = \_\_\_\_\_ ; r = \_\_\_\_\_

a = \_\_\_\_\_ ; r = \_\_\_\_\_

7)  $\frac{1}{2}, -\frac{1}{5}, \frac{2}{25}, \dots$

$86, -1458, 4374, \dots$

a = \_\_\_\_\_ ; r = \_\_\_\_\_

a = \_\_\_\_\_ ; r = \_\_\_\_\_

9)  $-9.1, -45.5, -227.5, -1137.5, -5687.5, \dots$

10)  $-11, 88, -704, 5632, -45056, \dots$

a = \_\_\_\_\_ ; r = \_\_\_\_\_

a = \_\_\_\_\_ ; r = \_\_\_\_\_

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