Name : _____

First Term & Common Ratio

Sheet 3

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

1) –10, 120, –1440, 17280, –207360, ...

a = _____ ; r =

2) $\frac{5}{8}, \frac{15}{16}, \frac{45}{32}, \frac{135}{64}, \frac{405}{128}, \ldots$

a = _____ ; r = _____

3) 320, –1280, 51 ... 02.5, 1012.5, ...

a = _____ ; r ... ; r = _____

5) $-\frac{1}{5}, \frac{1}{2}, -\frac{5}{4}, \frac{25}{8}$ ... $\frac{3}{2}, \frac{3}{4}, \ldots$

a = _____ ; r ... ; r = _____

7) 77, 308, 1232, ... -1.6, –0.8, –0.4, ...

a = _____ ; r = _____

a = _____ ; r = _____

9) 3, –3.3, 3.63, –3.993, 4.3923, ...

a = _____ ; r = _____

10) $-6, -\frac{6\sqrt{7}}{5}, -\frac{42}{25}, -\frac{42\sqrt{7}}{125}, \ldots$

a = _____ ; r = _____

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