Math Sheet

Name _____ Score _____ Teacher _____ Date _____

Arithmetic and Geometric Means

Insert the missing arithmetic or geometric means. Use a positive common ratio for every geometric sequence.

Arithmetic means

1. **Arithmetic**

-4, _____, _____, _____, -16

Missing terms: _____

2. **Arithmetic**

3, _____, _____, 21

Missing terms: _____

3. **Arithmetic**

-2, _____, _____, 10

Missing terms: _____

4. **Arithmetic**

3, _____, -3

Missing terms: _____

5. **Arithmetic**

-1, _____, _____, _____, 15

Missing terms: _____

6. **Arithmetic**

5, _____, -1

Missing terms: _____

Geometric means · use a positive common ratio

7. **Geometric · positive r**

-3, _____, _____, _____, -1875

Missing terms: _____

8. **Geometric · positive r**

5, _____, _____, _____, 80

Missing terms: _____

9. **Geometric · positive r**

-1, _____, -25

Missing terms: _____

10. **Geometric · positive r**

4, _____, _____, 108

Missing terms: _____

11. **Geometric · positive r**

-1, _____, -16

Missing terms: _____

12. **Geometric · positive r**

5, _____, _____, 135

Missing terms: _____