

Algebra 1: 4.2 Homework - Part 1
Arithmetic Sequences

Name _____ Period _____

Find the common difference for each arithmetic sequence.

1) 10, 3, -4, -11, ...

$d =$ _____

2) $\frac{1}{3}, \frac{2}{3}, 1, \frac{4}{3}, \dots$

$d =$ _____

3) 170, 240, 310, 380, ...

$d =$ _____

4) -28, -13, 2, 17, ...

$d =$ _____

Find the common difference. Then, add the common difference to get the next 3 terms in each arithmetic sequence.

5) 8, 14, 20, 26, _____, _____, _____, ...

$d =$ _____

6) -24, -14, -4, 6, _____, _____, _____, ...

$d =$ _____

7) $\frac{3}{5}, \frac{4}{5}, 1, \frac{6}{5},$ _____, _____, _____, ...

$d =$ _____

8) 20, 11, 2, -7, _____, _____, _____, ...

$d =$ _____

9) 12, 16.5, 21, 25.5, _____, _____, _____, ...

$d =$ _____

10) 24.5, 20.7, 16.9, 13.1, _____, _____, _____, ...

$d =$ _____

