Sequences Homework Day 1

Name_____

Determine whether each sequence is an arithmetic sequence. If so, find the common difference and the next three terms.

Determine whether each sequence is a geometric sequence. If so, find the common ratio and the next three terms.

7)
$$\frac{9}{4}, \frac{3}{2}, 1, \frac{2}{3}$$

Determine whether the sequence is arithmetic or geometric. Then find the recursive formula for each sequence.

Exam Review: Equations and Inequalities

Objective: Solve equations with distributive property

13)
$$-16 + 5n = -7(-6 + 8n) + 3$$

$$-16 + 5n = -7(-6 + 8n) + 3$$
 14) $-11 + 10(p + 10) = 4 - 5(2p + 11)$

Objective: Solve for a Variable

15) Solve for
$$d$$
: $Q = \frac{c+d}{2}$

16) Solve for y:
$$5x + 3y = 1$$

Objective: Solve and graph inequalities

17) Solve and graph:
$$-2x < 3(x - 5)$$

18) Solve and graph:
$$2(1-x) + 5 \le 3(2x-1)$$