Sequences Day 3 Homework
You may use a calculator!

Find the indicated term of each arithmetic sequence.

1)   28th term: 0, −4, −8, −12, …   2) 15th term: 2, 3.5, 5, 6.5,

Find the indicated term of each geometric sequence.

3) 10th term: 8, 40, 200, 1000, …   4) 7th term: 2, 18, 162, 1458, …

Find the explicit AND recursive formula for each sequence:

5) 1, 7, 13, 19…   6) 25, 125, 625, 3125…

7) 15, 30, 60, 120…   8) 3, 100, 197, 294…

Each rule represents a sequence. If the given rule is recursive, write it as an explicit rule. If the rule is explicit, write it as a recursive rule.
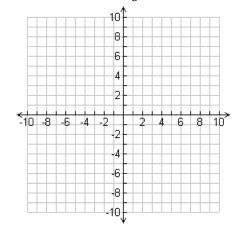
9) $a_n = 11(2)^{n-1}$ 10) $f(1) = 2.5; f(n) = f(n-1) - 3.5$

_____   _____
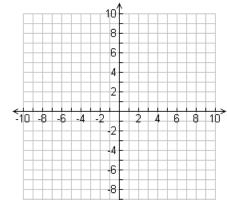
Semester Exam Review: Linear Functions

1. Graph: $y = \frac{1}{5}x - 6$ 3. Graph: $y = \frac{4}{3}x + 2$ 5. Graph: $2x + 3y = 12$

2. Graph: $y = \frac{2}{3}x + 5$ 4. Graph: $y = -4x - 1$ 6. Graph: $y - 5 = 3(x + 1)$