

AA2 Week 7 Block Day Warmup

1. Write the equation of the line, in **slope-intercept form**, that is perpendicular to  $2x-3y=8$  passing through  $(7,-1)$ .



Using the following formulas, write the first 4 terms of each sequence.

**separate terms by a comma**

3)  $a_n = 11 - 2n$

**Show work on paper**

4)  $a_n = 3a_{n-1} - 9; a_1 = 4$

2. Solve  $\frac{2x+6}{6-14x} = -\frac{1}{4}$



5. Write a recursive formula( recursive definition) for the sequence:

a)  $45, 41, 37, 33, \dots$

b)  $-4, 6, -9, 13.5, \dots$