## problem 1 problem 2 example write down a rule for finding the nth term in the write down a rule for finding the nth term in the write down a rule for finding the nth term in the following sequence ... following sequence ... following sequence ... (4) (3) 5,7,4,11,13 ... 27 3,7,11,15,19 ... 7, 10, 13, 16, 19 ... • first difference is 2 (so using 2n) • first difference is (so using n) • first difference is 3 (so using 3n) • terms in sequence are I less than n • terms in sequence are 3 more than 2n • terms in sequence are than 3n nth term rule: 2n + 3 nth term rule : | n - 1 n<sup>th</sup> term rule: 3n 🗆 problem 3 problem 4 problem 5 write down a rule for finding the nth term in the write down a rule for finding the nth term in the write down a rule for finding the nth term in the following sequence ... following sequence ... following sequence ... 7, 9, 11, 13, 15 ... 7 , 12 , 17 , 22 , 27 ... 1,4,7,10,13 • first difference is (so using n) • first difference is (so using n) • first difference is (so using n) • terms in sequence are than n • terms in sequence are than n • terms in sequence are than n nth term rule : | n \_ nth term rule : | n \_ nth term rule : | n [