

Name _____

Period _____

Arithmetic Sequence

Find the given term of the following arithmetic sequences.

1. a_{37} 5, 8, 11, 14, 17, ...	2. a_{14} 26, 31, 36, 41, 46, ...	3. a_{42} 20, 18, 16, 14, 12, ...
4. a_{25} -7, -4, -1, 2, ...	5. a_{15} $3, \frac{7}{2}, 4, \frac{9}{2}, 5, \dots$	6. a_{50} 20, 24, 28, 32, 36
7. a_8 9, 19, 29, 39, ...	8. a_{30} -4, -2.6, -1.2, 0.2, ...	9. a_{150} 78, 75, 72, 69, ...
10. a_{30} 11, 15, 19, 23, ...	11. a_{50} 7, 11, 15, 19, ...	12. a_{10} 8, $9\frac{1}{2}$, 11, $12\frac{1}{2}$, ...
13. a_{15} 5, -3, -11, -19, ...	14. a_{40} 87, 83, 79, 75, ...	15. a_{20} $-\frac{5}{8}, -\frac{3}{8}, -\frac{1}{8}, \frac{1}{8}, \frac{3}{8}, \dots$
16. a_{50} 6, 17, 28, 39, 50, ...	17. a_{25} -112, -101, -90, -79, ...	18. a_{15} $a, a + d, a + 2d, a + 3d, \dots$