

## ARITHMETIC SEQUENCES

USE THE FOLLOWING INFORMATION ABOUT ARITHMETIC SEQUENCES TO COMPLETE:

1.  $a_1 = 2, a_2 = 5, a_{45} = \underline{\hspace{2cm}}$
2.  $a_1 = 18, a_2 = 14, a_{51} = \underline{\hspace{2cm}}$
3.  $a_1 = 1/3, a_2 = 1, a_{17} = \underline{\hspace{2cm}}$
4.  $a_1 = 8, a_2 = 11, a_{64} = \underline{\hspace{2cm}}$
5.  $a_1 = 5, d = 3, a_n = 101, n = \underline{\hspace{2cm}}$
6.  $a_1 = 88, d = -5, a_n = 13, n = \underline{\hspace{2cm}}$
7.  $a_1 = 7, d = 4, a_n = 11, n = \underline{\hspace{2cm}}$
8.  $a_1 = 57, d = -3, a_n = 0, n = \underline{\hspace{2cm}}$

ARITHMETIC MEANS (Missing terms of an arithmetic sequence):

1. 42,       ,       ,       , 70
2. -107,       ,       ,       ,       ,       ,       , -86
3. 23,       ,       ,       ,       ,       , -31
4. -143,       ,       , -215
5. 53,       ,       ,       , 75
6. 123,       ,       ,       ,       , 55
7. 47,       ,       ,       ,       ,       , -11