

Given two terms of each arithmetic sequence, find a_1 and d .

79. $a_3 = 5$ and $a_5 = 11$

80. $a_4 = 8$ and $a_7 = 20$

81. $a_3 = 32$ and $a_7 = -8$

82. $a_{10} = 17$ and $a_{14} = 34$

83. $a_4 = -34.5$ and $a_5 = -12.5$

84. $a_4 = -2.4$ and $a_6 = 2$

Find the indicated term of each arithmetic series.

85. $a_1 = k, d = k + 4; a_9$

86. $a_1 = k + 7, d = 2k - 5; a_{11}$