

Number of Terms in a Finite Arithmetic Sequence

Find the number of terms (n) in each sequence.

1) $4\sqrt{7}, 5\sqrt{7}, 6\sqrt{7}, 7\sqrt{7}, \dots, 16\sqrt{7}$

2) $-5, -8, -11, -14, \dots, -59$

3) $3.1, 4.3, 5.5, 6.7, \dots, 51.1$

4) $60, 50, 40, 30, \dots, -20$

5) $-15, -7, 1, 9, \dots, 185$

6) $\frac{2}{5}, -\frac{13}{5}, -\frac{28}{5}, -\frac{43}{5}, \dots, -\frac{193}{5}$

7) $-1.3, -0.6, 0.1, 0.8, \dots, 40$

8) $4, -2, -8, -14, \dots, -212$
