

Name : _____

Arithmetic Sequence

Sheet 3

Find the next three terms of each arithmetic sequence.

1) $-38, -57, -76, -95, -114, \dots$

2) $5, \frac{13}{2}, 8, \frac{19}{2}, 11, \dots$

3) $-\frac{1}{2}, -\frac{1}{10}, \frac{3}{10}, \frac{7}{10}, \dots, -\sqrt{7}, 0, \sqrt{7}, \dots$

5) $133, 153, 173, \dots, -4.8, -8.7, \dots$

7) $14, 8, 2, -4, -10, \dots, 9, 37.2, 46.5, \dots$

9) Fred made a series of towers. He used 21 blocks for tower one, 27 blocks for tower two, 33 blocks to build tower three and so on in an arithmetic progression. How many blocks did he use for each of the next three towers that he built?

10) Joe drew a series of concentric circles. He used 3 cm as radius to draw the first circle. The radii for the successive circles were 12 cm, 21 cm and so on in an arithmetic sequence. Determine the radii for each of the subsequent three circles.

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