Name : _____

Arithmetic Sequence

Find the next three terms of each arithmetic sequence.

1) $\sqrt{3}$, $-\sqrt{3}$, $-\sqrt{27}$, $-\sqrt{75}$, $-\sqrt{147}$, ...

2) $\dfrac{5}{2}, \dfrac{17}{6}, \dfrac{19}{6}, \dfrac{7}{2}, \dfrac{23}{6}$, ...

3) 100, 211, 322,

3, 42.6, 28.4, ...

5) −5, −18, −31,

5, −4, ...

7) $\dfrac{1}{2}, -\dfrac{3}{2}, -\dfrac{7}{2}, -\dfrac{1}{2}$

2, −24, −16, ...

9) Jake was getti   ers on the 1st day, 16 workers on the 2nd day, 18 workers on the 3rd day and so on in an arithmetic sequence. How many workers reported to work on 4th day, 5th day and 6th day?

10) Andy stacked a pile of wooden logs. The bottom row contained 30 logs. The rows above it held 27 logs, 24 logs and so on in an arithmetic progression. Determine the number of logs in each of the three rows above.