Warm Up 3.9

Find the missing values (**Arithmetic Means**) in the sequences below. Carefully show your process and provide a generalized strategy.

1.

x	1	2	3	4	5
y	8				28

2.

x	1	2	3	4	5	6
y	50					10

3. For number one above a student created the following work, look at it closely and try to connect it back to the values of the sequence. Explain the numbers in their first equation and also how they connect to the sequence given in number one.

$$8 + 4d = 28$$
$$-8 \qquad -8$$
$$\frac{4d}{4} = \frac{20}{4}$$
$$d = 5$$