

Warm Up:**9/4**

Which is the partial sum S_8 , given $a_1 = 6$ and $d = 9$?

- A.** 15 **B.** 72
C. 300 **D.** 432

Feb 27-7:39 AM

W.A.L.T.:

Apply our understanding of sequences and series.

W.A.S.I.:

We can struggle with problems and persevere in solving them.

Mar 7-9:45 AM

Solutions to P.W.:Worksheet #23 - 30

$$23. \text{ a. } \sum_{j=1}^5 (5 - 6j) = -65 \quad 24. \text{ yes; } \sum_{j=1}^{10} (2j + 1) = 120;$$

$$\text{ b. } \sum_{j=1}^{20} 5j = 1050 \quad \sum_{j=1}^5 (2j + 1) = 35;$$

$$\text{ c. } \sum_{j=5}^{15} (5 - j) = -55 \quad \sum_{j=6}^{10} (2j + 1) = 85; 120 = 35 + 85$$

Dec 31-10:07 PM

Solutions to P.W.:Worksheet #23 - 30

$$25. \text{ yes; } \sum_{j=4}^9 (j - 7) = -3;$$

$$\sum_{j=1}^9 (j - 7) = -18;$$

$$\sum_{j=1}^3 (j - 7) = -15;$$

$$-3 = -18 - (-15)$$

$$26. \text{ B}$$

$$27. \text{ a. } \sum_{j=1}^6 (j + 3) = 39$$

$$\text{ b. } \sum_{j=10}^{15} (j - 12) = 3$$

$$\text{ c. } \sum_{j=1}^8 (4j) = 144$$

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Solutions to P.W.: Worksheet #23 - 30

28.
$$\sum_{j=4}^8 (-3j + 29) = 55 \text{ and}$$

$$\sum_{j=4}^8 -3j + 29 = -61;$$

$$\sum_{j=4}^8 (-3j + 29) \text{ is greater.}$$

29.
$$D$$

30.
$$\sum_{j=1}^5 \left(\frac{j \cdot \pi}{2} \right) = \frac{15\pi}{2}$$

Dec 31-10:07 PM

Today's Activities:

- Workday

P.W. for tonight:

- Finish Worksheet from 11 - 30
- Check Solutions - BE READY FOR QUIZ

Dec 31-9:59 PM