

Simplify the following expressions.

1) $4(5x + 2) - 7x$

2) $-5x + 2(12 - 3x)$

3) $7x - 6 - 2(5x - 8)$

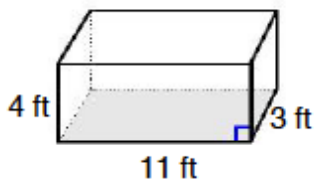
4) $3x - 2(4x - 12)$

Find the Surface area of the figure using the correct formula.

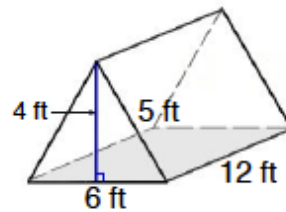
Prism $SA=2B+Ph$

Pyramid $SA = B + \frac{1}{2}Pl$

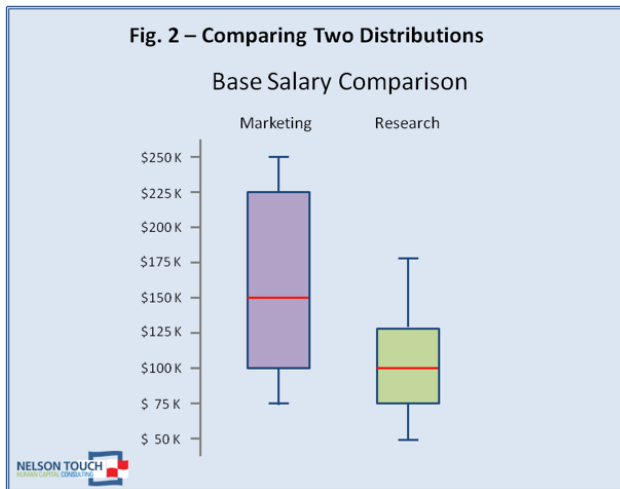
5)



6)



7) You want to know how much canvas you need for your pyramid shaped Teepee. The Teepee has a base that is 8 feet square, with a slant height of 9 feet. How much canvas is needed to cover the outside of the Teepee. (remember a Teepee has no floor)



8) What job has the most consistent salary, and what is the median salary?

9) Based on this box plot what is the IQR for a job in Marketing?

10) If the data above was from surveying 200 marketing employees and 200 Research employees, how many people are represented in the 3rd quartile of each graph?