

What's the distance between the following points on a coordinate graph?

1. (-5, 10) and (-5, 32) 2. (1, 17) and (-25, 17) 3. (20, -16) and (20, -26)

Solve the following equations. Show all your steps. Box or circle your answers. You may use a calc.

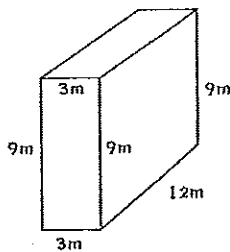
4. $x + 94 = 180$ 5. $44x = 1364$ 6. $66 = x - 27$ 7. $50.4 = .45x$

Solve the following inequalities and graph the solution on the number line provided. Show all your steps! Box or circle your answer. You may use a calculator if you would like.

8. $x + 19 \leq 56$ 9. $3x > 531$ 10. $23 + x \geq 71$ 11. $53 < x + 18$



12. Find the surface area and volume. Show your work! You may use a calc.



13. $\frac{7}{8}$ of the students overslept. If there are 480 students in the middle school, (You may use a calc.)

- a. How many overslept?
- b. How many did not oversleep?
- c. What percent overslept?
- d. What percent did not oversleep?

Solve the proportions. You may use a calculator.

14. $\frac{1.7}{3.8} = \frac{\square}{30.4}$
15. $\frac{2\frac{1}{3}}{216} = \frac{7/9}{\square}$

Simplify the following problems down to one value. Do not use a calculator.

16. $|-78| =$ 17. $|642| =$ 18. $3y - 5 + 6y + 2 - 9y$ 19. $-11 + 5 - 3 + 9$