

Simplify each expression, WITHOUT A CALCULATOR! 😊

1. $-5 + 7$

2. $2 - (-3)$

3. $11 + (-4)$

4. $|1 - 8|$

5. $\frac{1}{8} + \frac{3}{8}$

6. $-\frac{3}{4} + \frac{5}{6}$

Solve each equation. Check your solution.

7. $3x + 4x = 8 - x$

8. $12 - 3x = x$

9. $6x - 8 = 7 + x$

Evaluate each function rule (equation) for $x = -5$. (Hint: plug in -5 for x , then simplify to find out what y is equal to.)

10. $y = x - 7$

11. $y = 7 - x$

12. $y = 2x + 5$

13. $y = -\frac{2}{5}x + 3$

Write in simplest form.

14. $\frac{7-3}{3-1}$

15. $\frac{3-5}{6-0}$

16. $\frac{8-(-4)}{3-7}$

17. $\frac{-1-2}{0-5}$

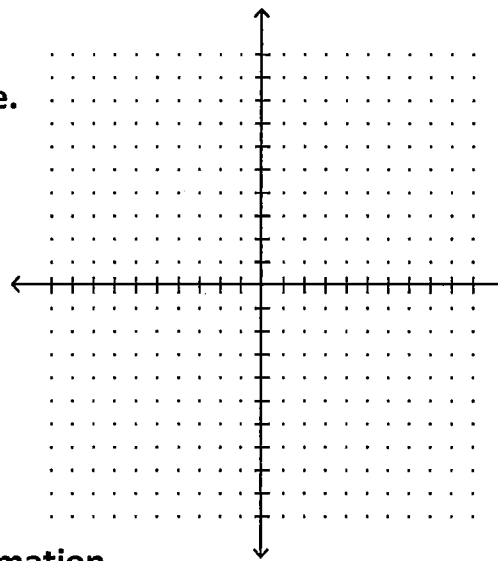
18. $\frac{-6-(-4)}{-2-6}$

19. $\frac{0-1}{1-0}$

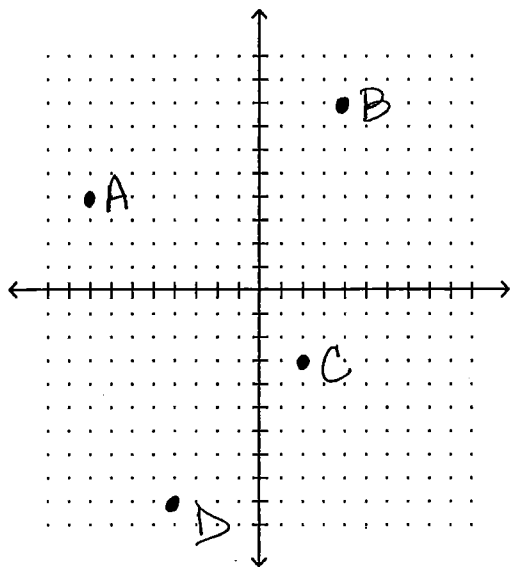
20. Plot and label the ordered pairs on the coordinate plane.

A (0, -3) B (3, 3)

C (-4, 1) D (-1, 5)



21-25, using the coordinate plane, identify the following information.



- 21. Label the x and y axis.
- 22. Which point is in quadrant IV ?
- 23. Name the ordered pair for point A.
- 24. Is the x or y axis horizontal?
- 25. What is (0, 0) called?