Homework: Adding and Subtracting Integers (Signed Numbers)cr
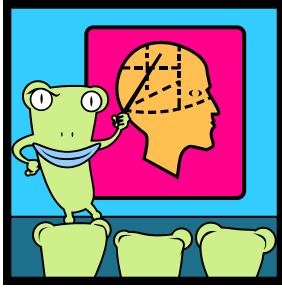
Signed Number Operations

You can do it.

This part of your brain tells you how.

Use a number line or the "rules" to simplify each expression below.
  For like sign, add the absolute values and keep the sign.
  For different signs, subtract the absolute values and keep the sign of the larger absolute value.

1. $8 + (-5) =$

2. $-6 - 8 =$

3. $15 + (-3) =$

4. $7 + (- 8) =$

5. $14 - 17 =$

6. $3x + 12x =$

7. $(-3) + (-3) =$

8. $11 + (-14) =$

9. $-12 + (-18) =$

10. $1 + (-5) =$

11. $-5 + (-4) =$

12. $13 + (-25) =$

13. $-4 + 4 =$

14. $-10 + (-10) =$

15. $9x + (-4x) + 3x =$

16. $-11x + (-9x) =$

17. $5x + 8x + (-5x) =$

18. $4a + 9a + (-13a) =$

19. $20x + (- 9x) + 3x =$

20. $6x + 12x + (-7x) =$

21. $14 + 7 + (-4) =$

22. $-9 + (- 4) + (-3) =$

23. $-6 + 10 + (-8) =$

24. $23 + (-6) + 2 =$

25. $4 + (-7) + (-8) =$

26. $-12x + (-4x) + (-5x) =$

27. $-8 - 7 - 12 =$

28. $5 - 12 + 7 =$

29. $6 + (-4) + (-9) + 7 =$

30. $-9 + (-5) + 14 + (-6) =$

Evaluate each expression.
  Remember that - (-) = +. There must be no number between the two negatives.

31. $14 - (-5) =$

32. $-(-7) + 18 =$

33. $-15 - (-7) =$

34. $12x - (-4x) =$

35. $3x + 9x - (-4x) =$

36. $-8x - (-3x) - (-2x) =$

Substitute the given value for the variable and evaluate. $x = - 4$, $y = -7$, $m = 3$

37. $x + y + 5 =$

38. $m - (x) =$

39. $- (-y) + x =$