

Kerry Ojakian's MTH 28.5 Class
Class Assignment #2

1. $3 + 5 =$

2. $5 + 3 =$

3. $3 \cdot 5 =$

4. $(5)(3) =$

5. $-3 \cdot 5 =$

6. $(-5)(-3) =$

7. $5 - 3 =$

8. $3 - 5 =$

9. $|5 - 3| =$

10. $|3 - 5| =$

11. $20 \div 5 =$

12. $-20 \div 5 =$

13. $\frac{10}{-2} =$

14. $\frac{-10}{-2} =$

15. What is the difference between 7 and 3?

16. What is the difference between 3 and 7?

17. In the year 2014, the highest subway station was the Smith-9 Street station (F and G trains); it is 88 feet *above street level*. The lowest station was the 191st 1 station; it was 180 feet *below street level*. What is the difference in heights between these two stations?

18. How many integers are between 12 and 15 (if you include both 12 and 15)?

19. How many integers are between 10 and 300 (if you include both 10 and 300)?

Label each statement True or False:

20. $4 + 1 < 2 + 2$

21. $3 - 2 > 1$

22. $3 - 1 = 10 - 8$

23. $-10 = (10)(-1)$

24. $-3 - 5 \leq 1 - 2$

25. $|5 + 2| \geq |5 - 15|$

26. $|(-3)(-5)| \leq 2 + 4$

27. $|-7897| \geq 0$

28. $|-513 \cdot 25| \geq (-945)(15)$

Calculate or indicate that UNDEFINED:

29. $0 \div 25 =$

33. $\frac{0}{-4} =$

30. $25 \div 0 =$

34. $\frac{-4}{0} =$

31. $0 + 23 =$

35. $(0)(4) =$

32. $34 - 0 =$

36. $(-52)(0) =$

37. Suppose your math class has 20 students, and then 7 students come in late, and then 9 students leave. How many students are in the class now?

38. Suppose Nike is shipping basketballs. Each truck has 500 basketballs, and there are 10 trucks. How many basketballs do we have all together?

39. Suppose 32 students get into 4 equal size groups. How big is each group?

40. Suppose 42 students get into groups of size 6. How many groups are there?

41. Vic has 10 jars, in each of which he put 5 balls. One day he redistributed the balls equally among 5 jars instead. How many balls are now in each jar?