

Math 0020 January 9, 2017 Homework 1

Do these problems from your text for in-class discussion:

1.1 # 1-26; 1.2 # 1-22

Do these problems on THIS sheet and turn in THIS SHEET of paper at the beginning of next class, Thursday January 11, 2017.

Perform the operations and simplify to a single integer.

1. $7 + 10$

2. $-30 + 17 - (-8) + 3 - 14$

3. $5(-6)8$

4. $\frac{18}{2}$

5. $\frac{-42}{-3}$

6. $(-1)(-2)(-3)(-4)(-5)$

7. $123 \cdot (-87)$

8. $|-74|$

9. $-|-8|$

10. $-(-12)$

11. $84 \div (-2)$

12. $308 - 125$

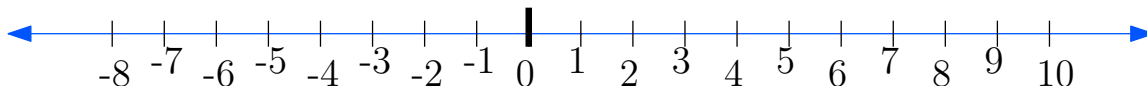
13. $675 - 1043$

14. $183 + (-67) - 82 + 1022$

15. $2 + 3 - 4 + 5 - 6 + 7$

Plot the following numbers with a solid dot (\bullet) on the real number line. Label each number on the line.

16. $2, -6, 0, 3, 5.5, -6.7$



Perform the arithmetic then simplify the result to a single fraction or integer.

17. $\frac{13}{0}$

18. $\frac{12}{-3}$

19. $\frac{3}{7} - \frac{5}{7}$

20. $\frac{12}{25} \cdot \frac{15}{8}$

21. $\frac{2}{3} \cdot \frac{12}{5}$

22. $\frac{1}{2} + \frac{3}{8} + \frac{1}{4}$

23. $\frac{15}{7} \div \frac{5}{49}$

24. $\frac{3}{5} + \frac{3}{10}$

25. $\frac{2}{3} + \frac{5}{2}$

26. $\frac{1}{2} + \frac{3}{4}$

27. $\frac{4}{7} - \frac{1}{5}$

28. $\frac{11}{2} + \frac{1}{6} - \frac{7}{3}$

29. $\frac{5}{17} + \frac{11}{17} + \frac{1}{34}$

30. $4 + \frac{6}{7}$

31. $\frac{3}{5} + \frac{11}{3}$

32. $\frac{6}{5} + \frac{7}{6}$