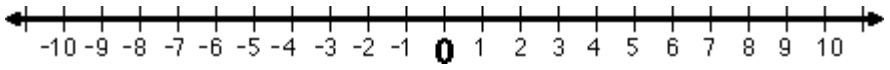
INTEGRATED MATH 3
REVIEW ASSIGNMENT #2

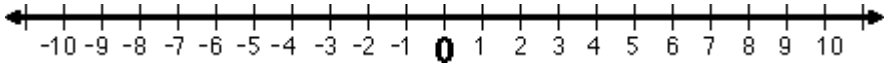
Numerical Values and Order of Operations

Show each set of numbers on the number line. Be sure to use a separate number line for each, label the number line, and label each point.

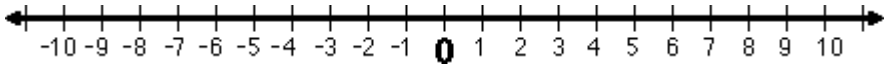
1. 4, -3, 3.5, $-\frac{2}{3}$, $\frac{1}{2}$, and 6.3



2. –7, 4, -7.6, $\sqrt{8}$, $\frac{17}{3}$, 3.02, and 3.002



3. $|5|$, $\sqrt{12}$, $\frac{7}{6}$, π, $-\sqrt{42}$, and 0.003



Write the following numbers in ascending order.

4. 23, 5, -2, -54, 0.4, -3.5, $\frac{1}{2}$, -3

5. 3.02, $\sqrt{52}$, -14.2, 3.002, $\frac{8}{5}$, -0.04, -1.06

Write the following numbers in descending order.

6. 5, $\sqrt{77}$, -34, -0.398, $\frac{19}{5}$, 0, $-\frac{2}{3}$

7. –8, $\frac{4}{5}$, $-\sqrt{40}$, π, 52, $\frac{15}{17}$, -7.6

Use the order of operations to evaluate or answer each question.

8. What is the order of operations?

9. What are same level operations?

10. $(4-1)^2+9\div3\cdot1-2^3$

11. $2(5-3)+7^2-8$

12. $5^2\div5-(2+3-1)^2\cdot6+1$

13. $60-(15)(2)\div 3$

14. $54-67-11+9+28-19$

15. $4\div 2-3+3(12\div 4)$

16. $-7-3+(7-3)^2\div(2+2)^2\cdot 5-3$

17. $(2+6)\div 8+16\div 4\cdot 3+7^2+(4+1)^2-4$

18. $(3^2+2)^2-3^2+5^2-2\cdot 40\div 4+(5-2)+12$

19. $4^2-2\cdot 8\div 6+(4+1)^2+3^2\div 2+(5-2)^2-2^2\cdot 5+2^2$

20. $6^2+2^3\div 4\cdot 2+6-(3+2)^2+8\cdot 6\div 3+4^2$