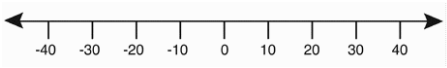
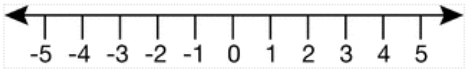
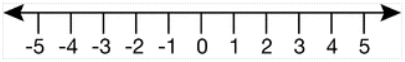
End of Year Rational Numbers Review #3

Name:_____ **Period:**_____

1. Find the absolute value. $\lvert -5 \rvert$ $\lvert 12 \rvert$ $\lvert -9 \rvert$ ___ ___ ___	**2. Find the absolute value.** $\lvert -2 \rvert$ $\lvert -3 \rvert$ $\lvert 8 \rvert$ ___ ___ ___	**3. The opposite of the opposite of a number:** -(-3) (-5) -(-4) -(-6) $-\lvert -2 \rvert$ $-\lvert -3 \rvert$ $-\lvert 8 \rvert$ -|7|
4. Order the numbers from least to greatest. Graph the letter on the number line. -35, 22, -26, -13 A. ___ B. _____ C. _____ D. _____ 	**5. Order the numbers from least to greatest. Graph the letter on the number line.** -3.2, -0.5, 2.5, -1.75 A. ___ B. _____ C. _____ D.___ 	**6. Order the numbers from least to greatest. Graph the letter on the number line.** $-\frac{1}{2}$ $2\frac{3}{4}$ $-1\frac{4}{5}$ $-2\frac{3}{4}$ A. ___ B. _____ C. _____ D. ___ 
7. An office building has 22 stories above the ground level and 5 stories under the ground level. How many floors apart are the top and bottom floors of the building?	8. A mountain's peak is 1,500 feet above sea level while the valley is 300 feet below sea level. What is the elevation drop between the top of the mountain and the bottom of the valley?	9. The **highest** temperature was 85° in Seattle and the **lowest** temperature was -5°. What was the difference between the highest and lowest temperatures for the year?
10. Rowan has two pieces of cable, one 15 feet long and the other 12 feet long. For a science project, he wants to cut them up to produce many pieces of cable that are all of the same length, with no cable left over. What is the greatest length, in feet, that he can make them?	**11.** Two neon signs are turned on at the same time. Both signs blink as they are turned on. One sign blinks every 9 seconds. The other sign blinks every 15 seconds. In how many seconds will they blink together again?	**12.** The school cafeteria serves tacos every sixth day and cheeseburgers every eight day. If tacos and cheeseburgers are both on today's menu, how many days will it be before they are both on the menu again?