Grade 6 Math

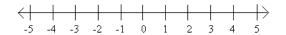
Name: _____

Date: _____ Core/Period: _____

Graphing Equations and Inequalities on Number Lines Guided Notes

Graphing an Equation on a Number Line:

(equal)



The value of x, which is 4, is represented by a darkened ______ at 4 to the ______ of 0 on the number line.

Graphing Inequalities on a Number Line:

X = 4

The value of y, which is any number ______ than 4, is represented by an ______ at 3 to the right of zero with an ______ pointing to right on the number line. An open circle means it ______ equal that value, and the arrow (ray) pointing to the right means that it can be any value ______ than the number that is circled.

(less than)

The value of z, which is any number ______ than 5, is represented by an ______ at 5 to the right of zero with an ______ pointing to left on the number line. An open circle means it ______ equal that value, and the arrow (ray) pointing to the left means that it can be any value ______ than the number that is circled.

The value of w, which is ______ to -2 and any number ______ than -2, is represented by a ______ at 2 to the left of zero with an arrow pointing to ______ on the number line. The point means it ______ that value, and the arrow (ray) pointing to the right means that it can be any value ______ than the number where the point is located as well.

The value of v, which is ______ to 1 and any number ______ than 1, is represented by a ______ at 1 to the right of zero with an arrow pointing to ______ on the number line. The point means it ______ that value, and the arrow (ray) pointing to the left means that it can be any value ______ than the number where the point is located as well.