# TUESDAY, JANUARY 22, 2019

- Warm-up
  - Evaluate each expression for the given value: |x| for x = 9 |9| = 9 |9| = |0| = |0| = |0| |x| for x = -9 |-9| = 9 |-9| = |-8| = 8|x + 1| for x = -9 |-9| = |-8| = 8
- Piecewise-Defined Linear Functions
   At the Supermarket
   Lesson 8-5
   Transforming the Absolute Value Parent Function

#### **Objectives**:

### Lesson 8-5 Transforming the Absolute Value Parent Functions page 143 **desmos**

- Instructions:
  - tear pages 143-147 out of your book and store your book under your desk
  - get a chromebook and go to desmos on google chrome
- Goal:
  - get through The lesson 8-5 practice before the end of 6<sup>th</sup> period

### Objectives:

Conclude lesson 8-5 positive = up 1 regative = down 1 Vertical Transformations: f(x) = |x| + Karen if k is negotire reflects over X Vertical Stretch: tion magnitude (bigger Smaller) +(x)=k|x|if k >1 more steep if < 1 more wide  $|\times|$ **Horizontal Transformations:** positive - lefte  $+'(\chi) =$ X+K negative = right > backwards ~

**Objectives**:

## Activity 8 Practice – page 149

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• On your own paper - individually

#### **Objectives**: