

Name:

Unit 3 Day 32: HOMEWORK

1-4) Predict what would happen to the absolute value graph.

1. $y = |x + 5|$

2. $y = -|x|$

3. $y = |x| - 7$

4. $y = |-x| - 2$

Left 5

Reflects over x-axis

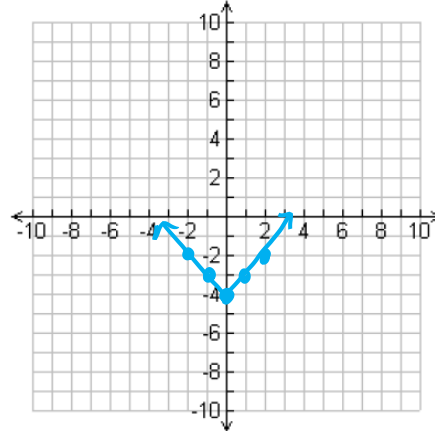
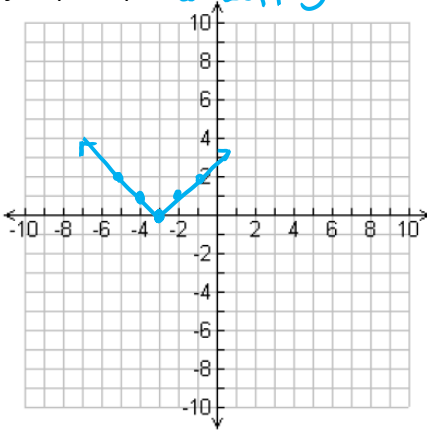
DOWN 7

• Reflects over y-axis
• Down 2
Down 4

5-6) Graph the absolute value equations, and describe the transformations.

5. $y = |x - 3|$ ● Left 3

6. $y = |x| - 4$



7-9) Write the equation of the absolute value given the transformation.

7. Right 6 units

8. Reflects over the y-axis

9. Down 2 units and Left 11 units

$y = |x - 6|$

$y = |-x|$

$y = |x + 11| - 2$

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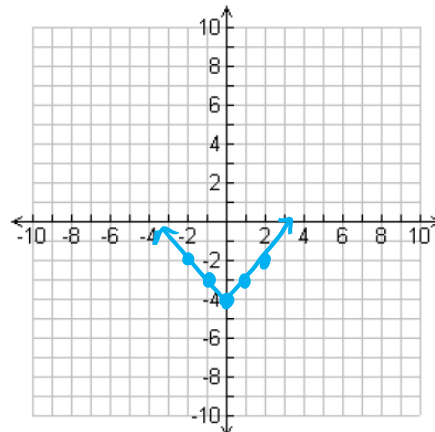
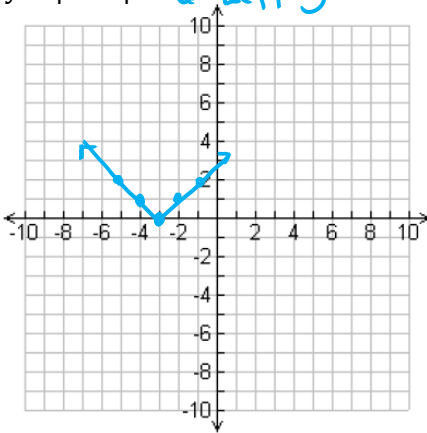
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