

Weekly Math 8 Homework Q1 #4 9/22 – 9/26

Solve the equation for x:

$$-3x = \frac{1}{2}$$

In what direction will this arrow point after it is rotated 270° counterclockwise?



Which transformations will not result in a congruent figure?

- A) Rotation
- B) Reflection
- C) Translation
- D) Dilation

Simplify by using order of operations:

$$4 + (9 \cdot 2) \div (4 - 1) - 4$$

Match the vocabulary with the correct definition

- | | |
|--------------------------------------|---|
| ☐ Reflection | A. The shrinking or enlarging of a figure |
| ☐ Rotation | B. The figure flips across a line |
| ☐ Translation | C. The figure turns around a fixed point. |
| ☐ Dilation | D. The sliding of a figure |

Find the missing angle:



Find the measure of $\angle A$:

