

Name: \_\_\_\_\_

Date: \_\_\_\_\_

HW : Solving Multi-Step Equations with Variables on Both Sides

Solve for x.

1)  $3x - 4 = 2x - 10$

2)  $4x - 2 = 6x - 10$

3)  $2(x-4) = 4x - 12$

4)  $3(x-2) = 4(x-2)$

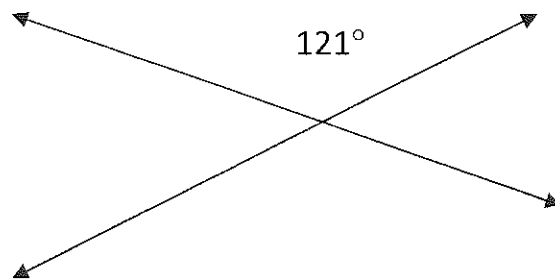
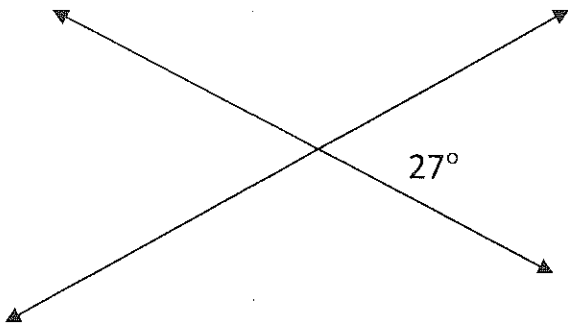
5)  $3x + 2x + 1 = 2x - 8$

6)  $5x + 2 - 2x = 10x - 12$

7) WCCS 8<sup>th</sup> graders have two costs for their fundraiser night- the cost of renting a sound system and the cost of tacos. It costs WCCS 8<sup>th</sup> graders \$100 to rent a sound system for their fundraiser. The purchase of the tacos are .50 each, but they sell them for \$1.50 each. Write an equation to find out how many tacos they have to sell to break even.

## Spiral Review: Vertical, Supplementary, and Complementary Angles

1) Write in the measures of all 3 other angles in each diagram.

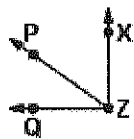


Find the measure of the angle.

2)

$$m\angle PZQ = 35^\circ$$

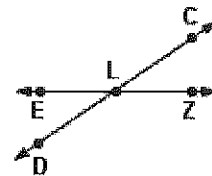
$$m\angle XZP = \underline{\hspace{2cm}}$$



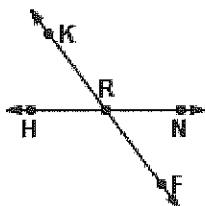
3)

$$m\angle ELD = 34^\circ$$

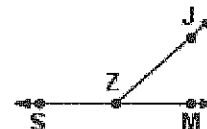
$$m\angle ZLD = \underline{\hspace{2cm}}$$



4)



5)



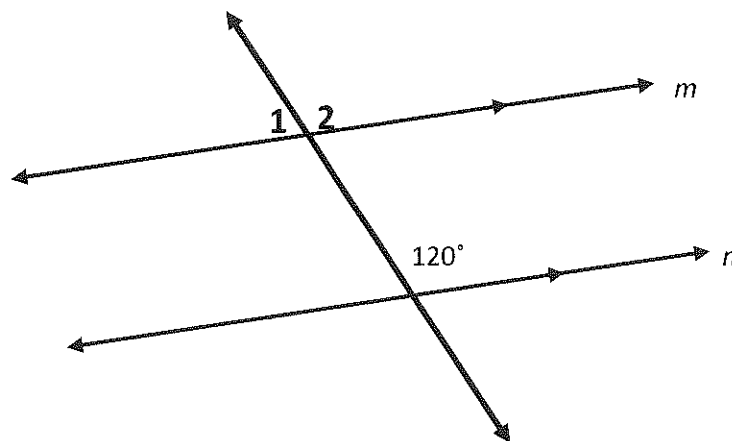
$$m\angle HRK = 53^\circ$$

$$m\angle MZJ = 41^\circ$$

$$m\angle NRF = \underline{\hspace{2cm}}$$

$$m\angle SZJ = \underline{\hspace{2cm}}$$

### Spiral Review: Constructing a "4" Response



1. What is the measure of angle 2? \_\_\_\_\_

2. What is the measure of angle 1? \_\_\_\_\_

3. How did you find the measurement of angle 1?

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A great written response separates good math students from champion math students. Use the checklist to make sure you've included all the things that

My essay:

Explains my steps in a logical, correct sequence

Uses "smart" math terms:

Corresponding Angles

Congruent

Supplementary

Transversal

Parallel Lines