



Part A: Solving Equations:

Objectives:

- Solve one-step equations.
- Solve multi-step equations.
- Solve equations with the variable on each side.

Solve the following equations:

1. $x + 7 = 12$

2. $y - 3 = 10$

3. $\frac{a}{4} = 5$

4. $c - 22 = 54$

5. $113 = g - 25$

6. $-4a = 48$

7. $\frac{c}{4} = -\frac{9}{8}$

8. $g + 5 = 33$

9. $-6 + c = 32$

10. $11x - 4 = 29$

11. $\frac{a+7}{8} = 5$

12. $3m + 4 = -11$

13. $5n - 3 = 2n + 6$

14. $3w + 2 = 7w$

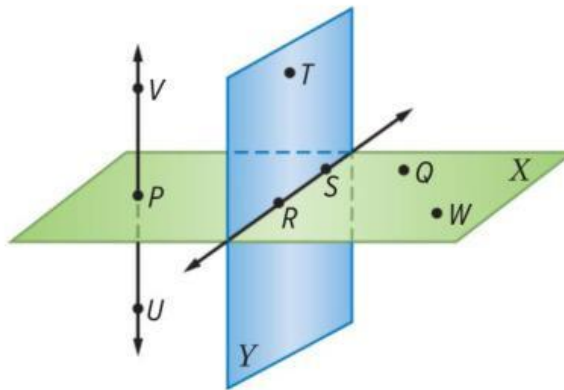
15. $13x + 2 = 4x + 38$

Part B: Geometry Basics:

Objectives:

- Identify and model points, lines, and planes.
- Measure and classify angles.
- Identify and use special pairs of angles.

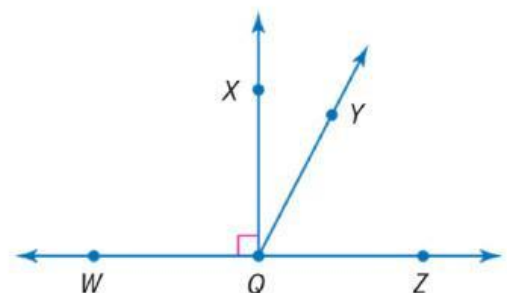
I) Use the figure to complete each of the following:



1. Name another point that is collinear with points U and V .
2. What is another name for plane Y ?
3. Name a line that is coplanar with points P , Q , and W .

II) Classify each angle as acute, right, or obtuse.

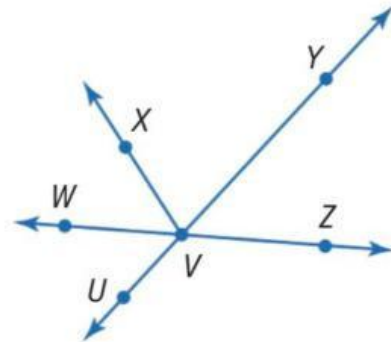
4. $\angle WQY$.
5. $\angle YQZ$.
6. $\angle XQZ$.



Name: _____ Date: _____

III) Name an angle pair that satisfies each condition.

7. Two acute vertical angles.
8. Two obtuse adjacent angles.
9. Two supplementary adjacent angles.



IV) Find the value of each variable.

