ALGEBRA

How to complete a packet:		
1. Take Notes	**2. Practice and Check**	**3. Application**
✓ Use Headphones ✓ Other distractions away ✓ Write questions in the margin	✓ Check answers as you go ✓ Look for mistakes in steps ✓ Circle Problems	✓ Apply what you've learned ✓ Think Differently ✓ Have Grit

Review:

Inverse Operations

To solve equations with two or more steps, apply the inverse operations in the reverse order.

Operation	Inverse Operation
Addition +	Subtraction -
Subtraction -	Addition +
Multiplication *	Division ÷
Division ÷	Multiplication *

Solve the following equations for the unknown variable:

Operation Performed on x	Operations to Isolate x
Divide by 2	Multiply by 2
Add 3	Subtract 3

$$\frac{x}{2} + 3 = 19$$

1. $$\frac{f + 2.5}{3} = 2$$

2. $$16r - 12 = -4$$

3. $2j - 4j + 10 = 12$

4. $5 = \frac{1}{3}x - 10$

5. $12 = -\frac{d}{5}$

6. $\frac{1}{5} = 3 - \frac{x}{3}$

You try!

7. $\frac{1}{2} = \frac{x-4}{8}$

8. $1 - 4y - 9y = 14$

SUMMARY:

Now, summarize your notes here!

0.1 Solving Simple Equations

PRACTICE

Directions: Solve for the unknown variable. Show your work as it was described in the video.

1. $15 = 2x - 10$	2. $15 + 2x = -10$	3. $80 = \frac{w}{6}$

4. $\frac{g+2}{6} = 8.5$	5. $\frac{g}{6} + 2 = 8.5$	6. $d - 5 = 15$
7. $3k - 6 = 12$	8. $6h - 3 = 57$	9. $-5 - \frac{g}{6} = 15$
10. $3 = \frac{q-12}{4}$	11. $-42 = 6 - 8h$	12. $9.9 = \frac{d}{4.4} + 1.1$
13. $-\frac{p}{6} = 4$	14. $0.8 - t = 4.1$	15. $32 = 12z - 26z$
16. $-9 = \frac{3d}{0.8}$	17. $5g - 10 + 3g = 0$	18. $42 = \frac{d}{0.1} - 5$

Directions: Solve for the unknown variable. Show your work as it was described in the video.

1. $\dfrac{d}{0.1} - 36 = 4$

2. $\dfrac{f+6}{6} = 1$

3. Suppose after completing a packet, you do not think you are ready to take a MC. What should you do?

4. How do the answers to the practice problems help you learn?

5. What is the Pacing Guide and where can it be found?

6. Do you have homework in this class? What is it?

Complete the following table.

Instead of....	it is better to....
watching a video with music on,	shut off the music and focus on instruction.
sitting next to friends who socialize,	
waiting for the bell to ring,	
taking the MC when not ready,	
planning on taking two MC next class,	
avoiding the application and harder problems,	