

UNIT 2 REVIEW:

Whiteboard Review Day 1

Write in point slope form:

$$y - y_1 = m(x - x_1)$$

1. $(3, 8)$ slope = 2

2. $(4, 5)$ slope = 3

3. $(-4, -3)$ slope = 1

4. $(-6, 1)$ slope = -4

5. $(3, 5)$ slope = $\frac{2}{3}$

6. (8, -3) slope = $\frac{3}{4}$

Write in Slope intercept form

$$y = mx + b$$

1 (3, 8) slope =2

2. (4, 5) slope =3

3. (-4,-3) slope = 7

4. (-6, 1) slope = -4

5. (3, 5) slope = $\frac{2}{3}$

6. (8, -3) slope = $\frac{3}{4}$

Whiteboards review day 2

Find the Slope:

1. $(2,3)$ and $(9,7)$

Find the slope

2. $(-3, -4)$ and $(5, -1)$

Find the slope

3. $(2, -1)$ and $(5, -3)$

Find the slope

4. $(2, 6)$ and $(-1, 3)$

Write the equation in **slope intercept form**

Step 1: find the slope

Step 2: put in ps form

Step 3: distribute and solve for y

1. $(1, -2)$ $(2, 2)$

Write the equation in **slope intercept form**

Step 1: find the slope

Step 2: put in ps form

Step 3: distribute and solve for y

2. $(1, -1)$ $(3, 5)$

Write the equation in **slope intercept form**

Step 1: find the slope

Step 2: put in ps form

Step 3: distribute and solve for y

3. $(-6, 5)$ $(-3, 4)$

Write the equation in **slope intercept form**

Step 1: find the slope

Step 2: put in ps form

Step 3: distribute and solve for y

4. $(3, 7)$ $(6, 9)$

Whiteboard Review Day 3

Graph the inequality

1. $y > \frac{2}{5}x - 4$

2. $y \leq -3x + 5$

3. $y \leq \frac{5}{6}x + 2$

4. $y \geq -\frac{2}{3}x + 8$

5. $y < 5x - 7$

Graph the Solution Set for the System of Inequalities

1. $y \geq \frac{1}{2}x - 6$
 $y \leq -\frac{2}{5}x + 7$

2. $y > -\frac{2}{3}x - 4$
 $y \leq \frac{1}{6}x - 3$

3. $y \geq -1x + 5$

$$y \leq 3x - 4$$

Solve the proportion

1. $\frac{x}{6} = \frac{12}{9}$

2. $\frac{21}{12} = \frac{7}{y}$

3. $\frac{3+x}{7} = \frac{8}{4}$

4. $\frac{6}{2+x} = \frac{12}{8}$

Solve the equation

1. $2(3x - 6) = 3x - 9$

2. $5(3 - x) = 2x + 1$

3. $4(5x - 2) = 16x + 20$

4.