

Math 1313
Finite Math
Finite Final Exam Supplemental Review

1. Find an equation of the line that passes through:
 - a. $m = -5$ and has y-intercept 9.
 - b. $(-1, -5)$ and $(1/2, -3)$.
 - c. $(2, 3)$ and is perpendicular to the line $\frac{4}{5}x - 9y = -\frac{2}{5}$.
 - d. $(-1, 8)$ and is parallel to the line that passes through $(-8, -5)$ and $(-10, 7)$

2. Which point satisfies the inequality $-3x + 7y > 10$?
 $(-2, 0)$
 $(-1, -1)$
 $(-3, 1)$

3. Graph the following systems of inequalities.
 - a. $x + y > 0$
 $x - y \leq 1$
 - b. $2x + y \leq -1$
 $3x - 2y < 4$
 - c. $2x - 4y \leq 4$; $2x - 2y > 4$
 - d. $x - 4y \geq 4$; $2x - 2y > 4$

**ALSO LOOK AT THE SUPPLEMENTAL REVIEWS
FOR TESTS 2 – 4 THAT ARE POSTED.**

Math 1313
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1. a. $y = -5x + 9$

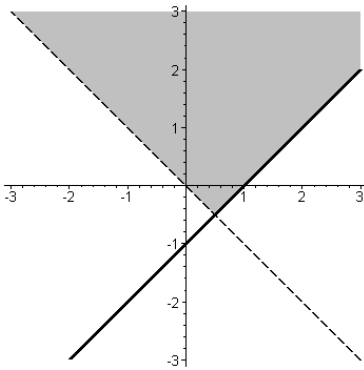
b. $y = \frac{4}{3}x - \frac{11}{3}$

c. $y = \frac{4}{45}x + \frac{127}{45}$

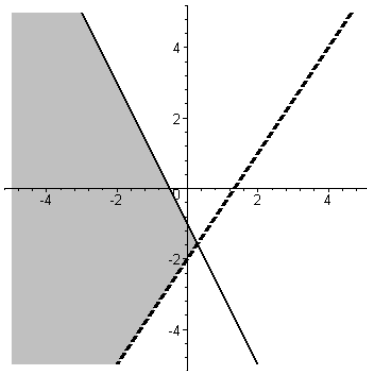
d. $y = -6x + 2$

2. (-3, 1) only.

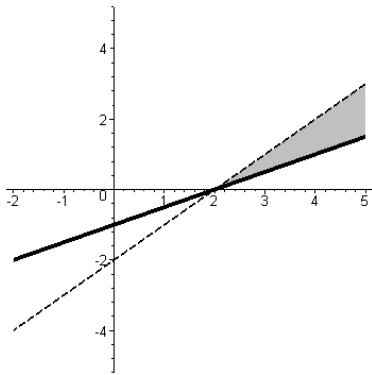
3. a.



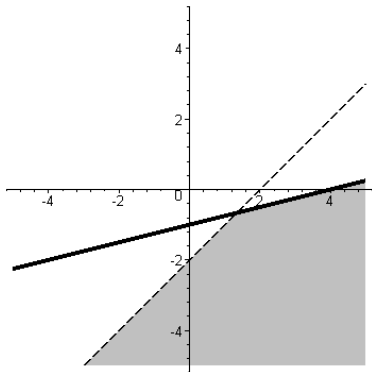
b.



c.



d.



**THE SOLUTIONS TO THE SUPPLEMENTAL
REVIEWS FOR TESTS 2 – 4 ARE ALSO POSTED.**