

# Assignment

Name \_\_\_\_\_ Date \_\_\_\_\_

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## Making a Mosaic Solving Systems of Linear Inequalities

Solve each system of linear inequalities by filling in the missing information for each inequality and then graphing.

1.  $3x + 3y \geq -18$

$x + 2y < 4$

$3x + 3y \geq -18$

x-intercept: \_\_\_\_\_

y-intercept: \_\_\_\_\_

Solid or dashed line? \_\_\_\_\_

Test (0, 0): \_\_\_\_\_

\_\_\_\_\_

$x + 2y < 4$

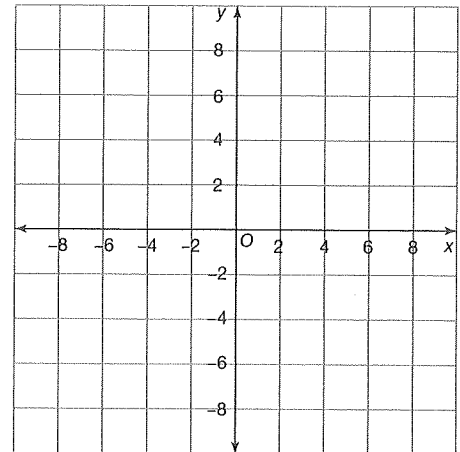
x-intercept: \_\_\_\_\_

y-intercept: \_\_\_\_\_

Solid or dashed line? \_\_\_\_\_

Test (0, 0): \_\_\_\_\_

\_\_\_\_\_



2.  $4x + 8y < 32$

$y - x > 3$

$4x + 8y < 32$

x-intercept: \_\_\_\_\_

y-intercept: \_\_\_\_\_

Solid or dashed line? \_\_\_\_\_

Test (0, 0): \_\_\_\_\_

\_\_\_\_\_

$y - x > 3$

x-intercept: \_\_\_\_\_

y-intercept: \_\_\_\_\_

Solid or dashed line? \_\_\_\_\_

Test (0, 0): \_\_\_\_\_

\_\_\_\_\_

