

Algebra 1 CP: 2nd Quarter Project
"Stained Glass Window"
Due: December 17, 2010

1. **Write** the equation of the line that contains the pair of points given below. Write the equation in **Point-Slope Form, Slope-Intercept Form AND Standard Form. SHOW ALL WORK FOR CREDIT!!!**
(4, -2) (8, 1)



SHOW MRS. REESE YOUR EQUATIONS BEFORE YOU CONTINUE!

2. **Graph** the linear equation from #1 in the coordinate plane provided. (use a PENCIL)
SHOW MRS. REESE YOUR GRAPH BEFORE YOU CONTINUE!
3. **Graph** the remaining linear equations provided by Mrs. Reese in the same coordinate plane from #2. (use a PENCIL)
4. **Label** each of the lines graphed in the coordinate plane by tracing each with a different colored marker. Indicate (on the equations sheet) the color that is paired with each equation.

SHOW MRS. REESE YOUR GRAPH BEFORE YOU CONTINUE!

5. **NEATLY** graph ALL of the linear equations (again) on the larger sheet of graph paper provided by Mrs. Reese. When you are done graphing the equations, color each section and create your stained glass window.

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(2, 6) (4, 9)



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