

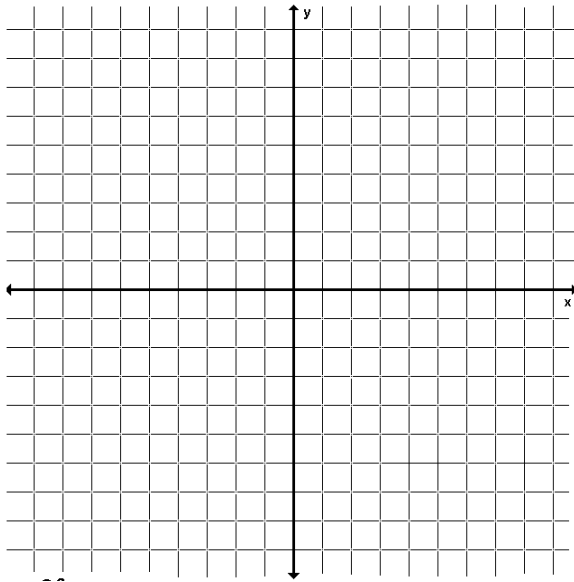
Math Quiz –6.3 Systems of Linear Inequalities

(8th) Name: _____

First graph the two lines given and shade the regions (worth 2 points). Find the overlapping region and say whether the point given lies within that space. (worth 1 point)

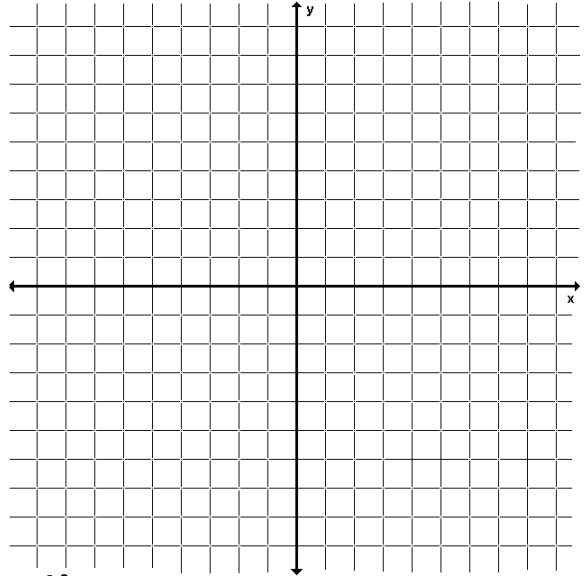
1. $\begin{cases} x + 2y > -3 \\ 3x + 4y < 12 \end{cases}$ Does point (1,2) lie in that region?

answer: _____



2. $\begin{cases} 3x + 2y \geq 8 \\ x - 3y < -6 \end{cases}$ Does point (3,3) lie in that region?

answer: _____



3. $\begin{cases} 2x - 5y > 3 \\ 3x + 2y \leq 6 \end{cases}$ Does point (-4.9, 5.1) lie in that region?

answer: _____

