Thursday, October 29, 2015 Bellwork Algebra 2

1. Use a sheet of graph paper to graph this system of inequalities. Shade the feasible region with a separate color.

 $A \ge 0$

 $M \ge 0$

 $A + M \leq 5$

 $6A + 9M \le 36$

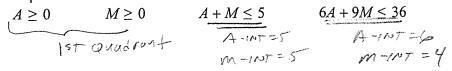
- 2. State the coordinates of the corners of the feasible region.
- 3. Which of the corners from problem #2 maximizes the following Objective Function?

Objective Function: 15A + 50M = T

Algebra 2 Bellwork Thursday, October 29, 2015

ANSWERS

1. Use a sheet of graph paper to graph this system of inequalities. Shade the feasible region with a separate color.



2. State the coordinates of the corners of the feasible region.

(0,0) (5,0) (3,2) (6,4)

3. Which of the corners from problem #2 maximizes the following Objective Function?

Objective Function: 15A + 50M = T

A	M	154 + 50M
	0	
5	0	75
3	2	and the contraction of the contr
0	4	200

 $\begin{array}{c|c}
MAXIMUM \\
OCCURS \\
WITEN \\
A = 0 \\
and \\
M = 4
\end{array}$

