

HW2

Date _____ Period _____

Solve each system by graphing.

1) $y = \frac{2}{9}x + 9$

$y = -x - 2$

2) $y = \frac{4}{3}x - 3$

$y = -\frac{2}{3}x + 3$

3) $y = -\frac{4}{9}x + 8$

$y = \frac{7}{9}x - 3$

4) $y = -\frac{1}{2}x + 4$

$y = \frac{9}{2}x - 6$

5) $y = \frac{1}{9}x - 6$

$y = -\frac{14}{9}x + 9$

6) $y = \frac{1}{4}x - 2$

$y = \frac{3}{2}x + 8$

Solve each system by substitution.

7) $y = -36x + 161$
 $y = -11x + 36$

8) $y = -97x - 144$
 $y = 76x + 202$

9) $y = -64x + 50$
 $y = 52x + 50$

10) $y = -30x + 8$
 $y = 63x - 178$

11) $y = 36x + 7$
 $y = -97x - 126$

12) $y = -24x - 19$
 $y = 35x + 40$