

**Math 80**  
**Exam 1 Review Problems: Answers**

Here is a selection of problems from past Math 80 exams. It *does not* include every possible type of problem I could ask on the exam - also study your homework and past quizzes to see other types of problems.

1. (a)  $-3$                       (b)  $8$                       (c)  $6p - 11w + 20$

2. (a)  $\frac{3}{2}$                       (b)  $\frac{61}{12}$

3. (a)  $x = 5$

(b)  $x = -5$

(c) All real numbers

(d)  $y = -\frac{3}{4}$

(e) No solution

4. 8 fives, 11 tens

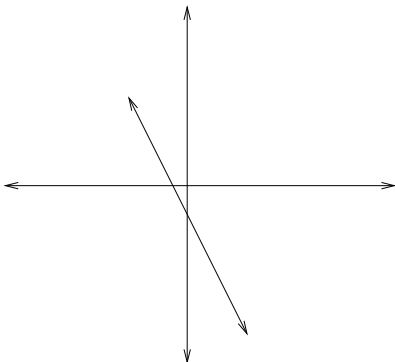
5. 11 and 13

6.  $l = \frac{V}{wh}$

7.  $x$ -intercept:  $(10, 0)$ ,  $y$ -intercepts:  $(0, -4)$

8. Perpendicular

9. Some of the points are  $(-1, 1)$ ,  $(0, -1)$  and  $(1, -3)$ :



10.  $y = -\frac{1}{2}x - 1$