

MAC1105 College Algebra
1.8 Practice Problems

Solve the following equations

1. $|3x+1|=19$

2. $3|2x+5|+1=13$

3. $|x^2+2x|=1$

4. $|2x-8|=0$

5. $|7x+2|=-9$

Solve the following inequalities and write your answer in interval notation.

6. $|x+2|\leq 10$

7. $|4x+4|+5<29$

8. $|2-3x|<-9$

9. $|x-3|>14$

10. $|5x-2|+4\geq 9$

11. $|2x-12|>0$

12. $|4x-16|>-7$