For problems 1-5, simplify the expression by writing it without absolute value symbols.

1. \( | -11 | \)

2. \( | 3 | \)

3. \( | 0 | \)

4. \( | -x |, \text{ if } x \geq 0. \)

5. \( | x |, \text{ if } x < 0. \) (Hint: Ask yourself, is \(-x\) a positive number or a negative number?)

For problems 6-10, find all solutions to the equation involving absolute values.

6. \( | x + 2 | = 5 \)

7. \( | 2x - 5 | = 3 \)

8. \( | 3x + 6 | = 12 \)

9. \( | 3x - 11 | = -4 \)

10. \( | 3x + 2 | = | x - 5 | \)

Answers: 1) 11. 3) 0. 4) \( x \). 5) \(-x. \)
7) \( x = 4, 1 \). 9) No solutions. 10) \( x = \frac{7}{2}, \frac{3}{4} \).