

Algebra 2

Warm Up Day 4 Absolute Value Inequalities

Name _____

Date _____

1. What is the sum of the solutions to the equation $|x - 5| = 10$?

- a) -10 b) -5 c) 2 d) 5 e) 10

2. If $x \neq 0$, which equations have no solution?

I. $|x| = 5$

II. $|x| = -5$

III. $|x - 5| = 0$

- a) I only b) II only c) III only d) I and III only e) I, II and III

3. $|8 - x| = 3$

$|x - 4| = 7$

What is the value of x that satisfies both equations above?

- a) -5 b) -3 c) 3 d) 5 e) 11

4. If $x + 2x + 4x = -14$, then $x =$

- a) -2 b) $-\frac{7}{4}$ c) -1 d) $\frac{7}{4}$ e) 2

1.
Answer: e
CodePath: EAS.SAT.F.A.1
2.
Answer: b
CodePath: EAS.SAT.F.A.21
3.
Answer: e
CodePath: EAS.SAT.F.A.25
4.
Answer: a
CodePath: EAS.SAT.B.C.17