Quiz 2

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Chapter 1

Question 1 *The solutions of the inequality $|x| + 2 < 5$ are*

A $x < 3$ *and* $x > -3$

B $x < 3$ *or* $x > -3$

C $x > 3$ *and* $x < -3$

D $x > 3$ *or* $x < -3$

Question 2 *The solutions of the inequality $2 < x < 3$ are*

A *just a point*

B *no solution*

C *the interval* $(2, 3)$

D *the interval* $(2, 3]$

E *the interval* $[2, 3]$

Question 3 *The solutions of the equation $x = 2 - \frac{1}{x}$, $x \neq 0$ are*

A *no solution*

B $x = 1$

C $x = -1$

D $x = 1$ *and* $x = -1$

E $(0, 1]$

Question 4 *The circle with equation $(x - 2)^2 + y^2 + 2y + 1 = 1$ has center:*

A $(2, 1)$

B $(-2, 1)$

C $(2, -1)$

D $(-2, -1)$