Equations and Inequalities

Math

Name_____ Class_____ Date_____

1 Solve the **equation** for x.

$\frac{x}{7} = -12$

A -84
B -72
C 72
D 84

2 The area of a rectangle, x, divided by **13** equals **4**. What is the area of the rectangle?

Area (x) = **?**

A 39
B 42
C 52
D 59

3 According to the number line, which **inequality** is shown?

A $x \geq -2$
B $x \leq -2$

4 According to the number line, which **inequality** is shown?

A $x \geq 4$
B $x > 4$

5

C $x < -1$
D $x > -1$

7

C $x < 7$
D $x \leq 7$

9 Solve the **inequality** for x.

$x + 6 > 14$

A $x > 8$
B $x < 8$
C $x > 7$
D $x < 7$

10 Solve the **inequality** for x.

$12 + x < 37$

A $x < 15$
B $x > 15$
C $x < 25$
D $x > 25$

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