

Name: _____ Period: _____ Date: _____

Solving Inequalities Using Addition and Subtraction Exit Quiz

Solve each inequality.

1. $-6 > a - 4$

2. $y - 1 \leq 3$

3. $7x \leq 6x - 5$

4. $5a > 4a + 5$

Write and solve the inequality.

5. In a 100 item Math exam, Hannah needs to get at least 75 correct answer to pass. If Hannah is certain of her 57 answers, how correct answers does she need to get in order to pass the subject?

Solving Inequalities Using Addition and Subtraction Exit Quiz

ANSWER

Solve each inequality.

1. $-6 > a - 4$

$$\begin{aligned} -6 + 4 &> a - 4 + 4 \\ -2 &> a \end{aligned}$$

2. $y - 1 \leq 3$

$$\begin{aligned} y - 1 + 1 &\leq 3 + 1 \\ y &\leq 4 \end{aligned}$$

3. $7x \leq 6x - 5$

$$\begin{aligned} 7x - 6x &\leq 6x - 6x - 5 \\ x &\leq -5 \end{aligned}$$

4. $5a > 4a + 5$

$$\begin{aligned} 5a - 4a &> 4a - 4a + 5 \\ a &> 5 \end{aligned}$$

Write and solve the inequality.

5. In a 100 item Math exam, Hannah needs to get at least 75 correct answer to pass. If Hannah is certain of her 57 answers, how correct answers does she need to get in order to pass the subject?

$$50 + x > 75$$

$$50 - 50 + x > 75 - 50$$

$$x > 25$$