Testing Values in Equations and Inequalities

FLORIDA GRADE 6 MATH | B.E.S.T. BENCHMARK MA.6.AR.2.1 | STUDENT WORKSHEET

Name: _____ **Date:** _____

Directions: Solve each problem. Show your work in the space provided.

1. Which of −2, 0, 3, and 5 make $x + 4 \geq 7$ true?

2. Which of −4, −1, and 2 make $3x = -12$ true?

3. Which of 1, 4, 6, and 8 make $20 - 2y < 10$ true?

4. Which of −3, 0, and 3 make $k^2 = 9$ true?

5. Which of −5, −2, and 1 make $2m + 1 = m - 1$ true?

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Testing Values in Equations and Inequalities

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Answer Key

1. 3 and 5

$3 + 4 = 7 \geq 7$ and $5 + 4 = 9 \geq 7$

2. -4

$3 \times (-4) = -12$

3. 6 and 8

$20 - 12 = 8 < 10$ and $20 - 16 = 4 < 10$

4. -3 and 3

$(-3)^2 = 9$ and $3^2 = 9$

5. -2

$2 \times (-2) + 1 = -3$ and $-2 - 1 = -3$

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