

# EQUATIONS MINI QUIZ NAME \_\_\_\_\_

SOLVE FOR  $y$  IN TERMS OF  $x$ . ( $y$  ALONE)

①  $-3x + 6y + 12 = -6$

②  $3x + 3(-2x - 6) + y = 6$

WRITE AND SOLVE AN EQUATION. (ASSIGN THE VARIABLE)

③ THREE CONSECUTIVE INTEGERS HAVE A SUM OF 66. WHAT IS THE LARGEST OF THE THREE NUMBERS?

④ 462 STUDENTS WENT ON A FIELD TRIP, THEY FILLED SIX BUSES & 12 STUDENTS WENT IN CARS. HOW MANY STUDENTS WERE ON EACH BUS?

SOLVE & GRAPH. SHOW ALL WORK

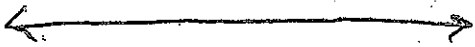
$$\textcircled{5} \quad -3x < 12$$



$$\textcircled{6} \quad x - 12 \geq -6$$



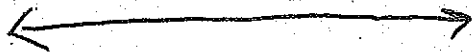
$$\textcircled{7} \quad 2x - 9 \leq 13$$



$$\textcircled{8} \quad \frac{x}{-6} + 3 > 13$$



$$\textcircled{9} \quad -5x + 2 < 27$$



$$\textcircled{10} \quad \frac{x}{3} + 4 \geq 8$$

