

# EQUATIONS QUIZ 5.6.

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SOLVE FOR X. SHOW ALL STEPS.

①  $2x + 6 = -16$       ②  $-5x - 6 = 24$

③  $\frac{1}{3}x - 2 = 8$       ④  $-\frac{2}{5}x + 4 = -6$

⑤  $-6x + 3 = 8x - 25$       ⑥  $6x + 10 - 2x - 5 = 25$

⑦  $-5(x+2) + 20 = 50$       ⑧  $2(x+2) = -x - 14$

$$\textcircled{9} \quad 3(x+6) - (x-2) = 40$$

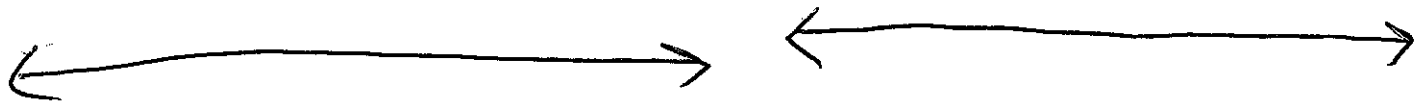
$$\textcircled{10} \quad 5x+5 = -3x+42$$

$\textcircled{11}$  SOLVE & GRAPH

$$3x - 6 \leq -24$$

$\textcircled{12}$

$$-5x + 2 < 22$$



$\textcircled{13}$  WRITE AN EQUATION & SOLVE.

JOEY RECEIVED \$100 FOR HIS BIRTHDAY. HE THEN SAVED \$20 PER WEEK UNTIL HE HAD A TOTAL OF \$580. HOW MANY WEEKS DID IT TAKE JOEY?