Identifying Solutions - MCQ

Multi-step: S2

Choose the correct solution that best describes each inequality.

1) $\dfrac{1}{4}(6x + 8) > 11$ or $3x - \dfrac{x}{2} < -15$

   a) $x < -6$ or $x > 6$ b) $x < -6$

   c) $x > -6$ d) $x > 6$

2) $6(4x - 23) \le 54$ and $7(2 + 3x) > -49$

   a) $x < 8$ b) $x > -3$

   c) $x < 8$ and $x > -3$ d) $x \le 8$ and $x > -3$

3) $2(5x + 18) > -84$ o   39

   a) $x \le 14$ b) $-6 \le x \le 9$

   c) $x \ge -12$ or $x > 14$ d) $x \ge 9$

5) $\dfrac{2x}{3} - \dfrac{x}{9} \le 5$ and 1 $3 \ge \dfrac{5x + 14}{8}$

   a) $x \le -4$ b) $x \ge 2$ or $x > 6$

   c) $x \le 9$ and $x \ge -4$ d) $x \le 2$

7) $\dfrac{1}{3}(8x + 2) < 14$ or $91 > 13(12x - 5)$

   a) $x < -1$ b) $x < 1$

   c) $x < 1$ or $x < 5$ d) $x < 5$

8) $-4 < \dfrac{5x + 9}{4} \le 6$

   a) $x > -5$ b) $-5 < x \le 3$

   c) $-5 < x < 3$ d) $x \le 3$

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com