1 Which equation states that the temperature, t, in a room is less than 3° from 68°?
060107b
(1) |3 − t| < 68   (3) |68 − t| < 3
(2) |3 + t| < 68   (4) |68 + t| < 3

2 What is the solution of the inequality $|x+3| \le 5$?
080203b
(1) $-8 \le x \le 2$ (3) $x \le -8$ or $x \ge 2$
(2) $-2 \le x \le 8$ (4) $x \le -2$ or $x \ge 8$

3 What is the solution of the inequality $|y+8| > 3$?
010610b
(1) $y > -5$ or $y < -11$ (3) $-11 < y < -5$
(2) $y > -5$ (4) $-5 < y < 11$

4 What is the solution of the inequality $|2x-5| < 1$?
060907b
(1) $x < 3$ (3) $x > -3$
(2) $2 < x < 3$ (4) $x \le 2$ or $x \ge 3$

5 The solution of $|2x-3| < 5$ is
080509b
(1) $x < -1$ or $x > 4$ (3) $x > -1$
(2) $-1 < x < 4$ (4) $x < 4$

6 What is the solution set of the inequality $|2x-1| < 9$?
010710b
(1) $\{x | -4 < x < 5\}$ (3) $\{x | x < 5\}$
(2) $\{x | x < -4$ or $x > 5\}$ (4) $\{x | x < -4\}$

7 What is the solution of the inequality $|2x-5| \le 11$?
010925b

8 What is the solution set of the inequality $|3-2x| \ge 4$?
060318b
(1) $\{x | \frac{7}{2} \le x \le -\frac{1}{2}\}$ (3) $\{x | x \le -\frac{1}{2}$ or $x \ge \frac{7}{2}\}$
(2) $\{x | -\frac{1}{2} \le x \le \frac{7}{2}\}$ (4) $\{x | x \le \frac{7}{2}$ or $x \ge -\frac{1}{2}\}$

9 The solution set of $|3x+2| < 1$ contains
080102b
(1) only negative real numbers
(2) only positive real numbers
(3) both positive and negative real numbers
(4) no real numbers