## True or False?

## Linear Inequalities

For each statement, circle the correct response.

1	The inequality $x < 3$ is represented on the number line as :	True	False
2	The inequality $1 < x \le 3$ is represented on the number line as :	True	False
3	The integers 2, 3 and 4 all satisfy the inequality $x < 4$	True	False
4	The integers $-1,0$ and $1$ are the only integers to satisfy the inequality $-1 \le x < 2$	True	False
5	The only integer to satisfy both inequalities $-1 \le x < 4 \text{ and } 2 < x \le 6 \text{ is } 3.$	True	False
6	The solution to the inequality $x-3>5$ is $x>2$	True	False
7	The solution to the inequality $-4x \le 20$ is $x \ge -5$	True	False
8	The solution to the inequality $20 > 3x - 1$ is $x < 7$	True	False
9	The integers $-3$ , $-2$ and $-1$ all satisfy the inequality $-2 \le x + 1 < 0$	True	False
10	The solution to the inequality $-8 \le 8x < 56$ is $-1 \ge x > 7$	True	False
11	The solution to the inequality $2x-4<6-3x\leq 21$ is $-5\leq x<2$	True	False