

## B Inequalities Quiz 2

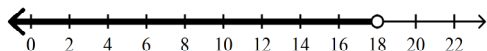
### Multiple Choice

Identify the choice that best completes the statement or answers the question.

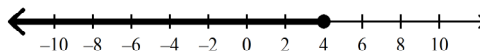
Solve the inequality. Graph the solutions.

1  $r + 7 \leq 11$

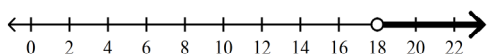
A  $r \leq 18$



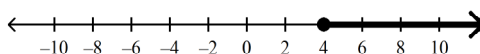
C  $r \leq 4$



B  $r \geq 18$



D  $r \geq 4$



Solve the inequality.

2  $40 < -8b$

A  $b < 32$

B  $b < -48$

C  $b < -5$

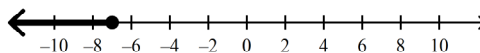
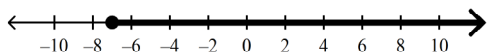
D  $b > -5$

Solve and graph the inequality.

3  $-x - 3x \leq 28$

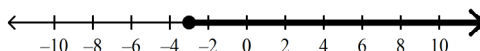
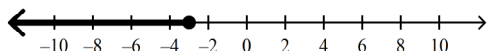
A  $x \geq -7$

C  $x \leq -7$



B  $x \leq -3$

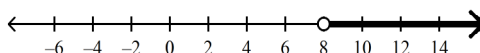
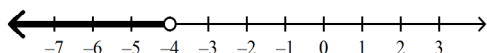
D  $x \geq -3$



4  $-\frac{x}{4} - 6 \geq -8$

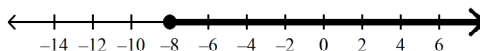
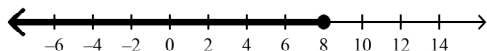
A  $x < -4$

C  $x > 8$



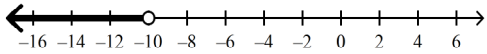
B  $x \leq 8$

D  $x \geq -8$

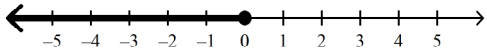


5  $\frac{4}{5}x + 5 < -3$

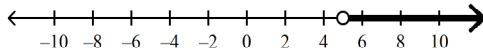
A  $x < -10$



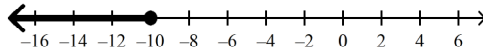
B  $x \leq 0$



C  $x > 5$



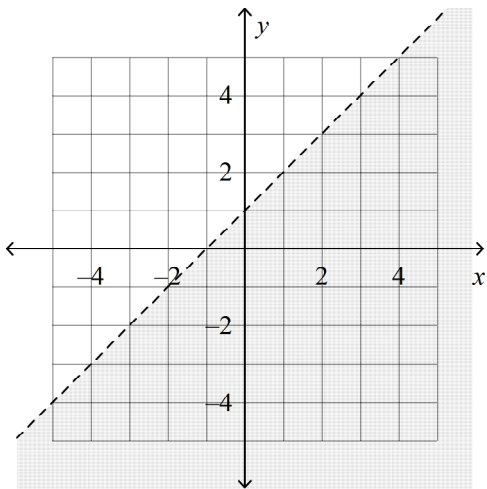
D  $x \leq -10$



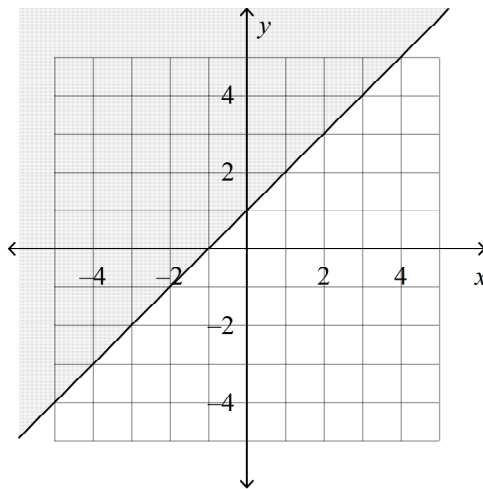
Graph the inequality on a coordinate plane.

6  $y < x + 1$

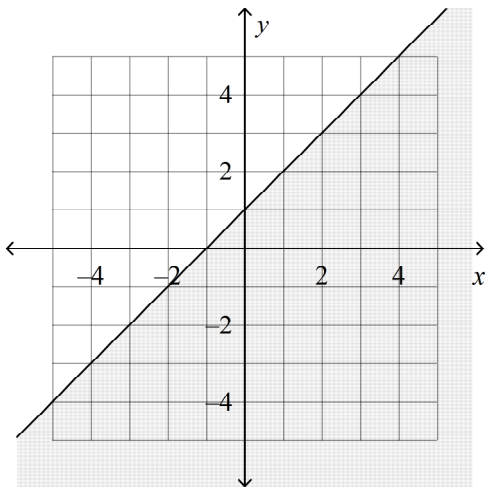
A



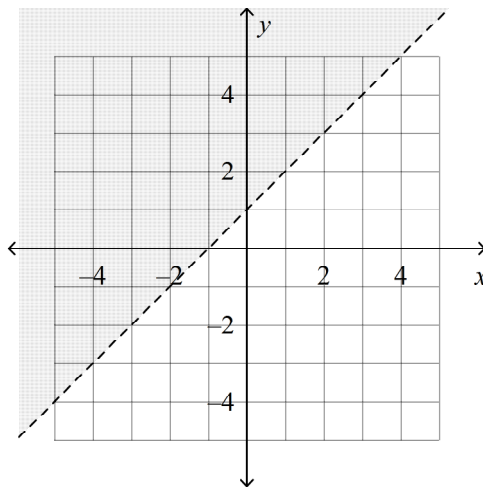
C



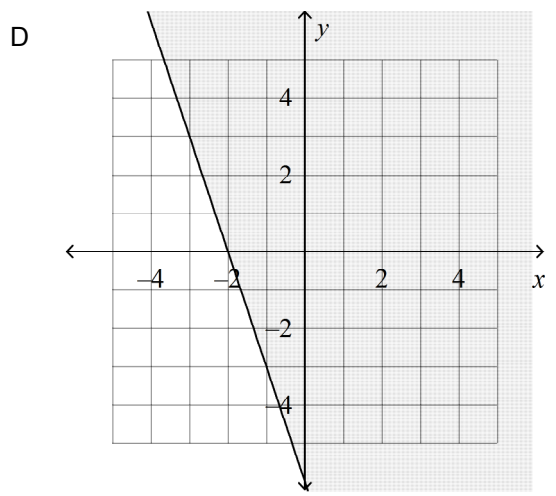
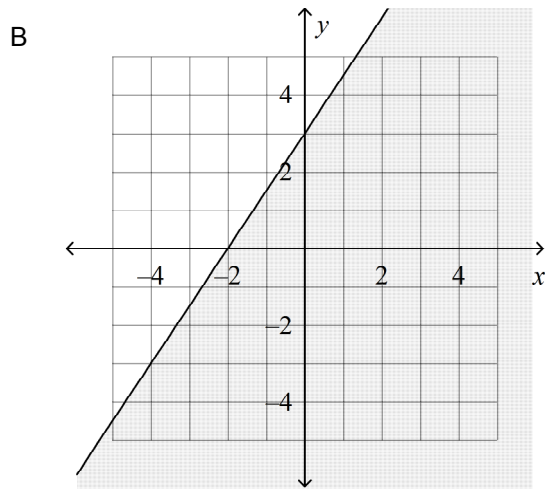
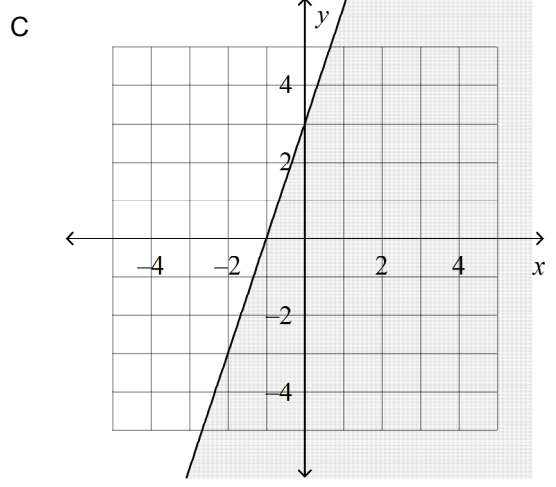
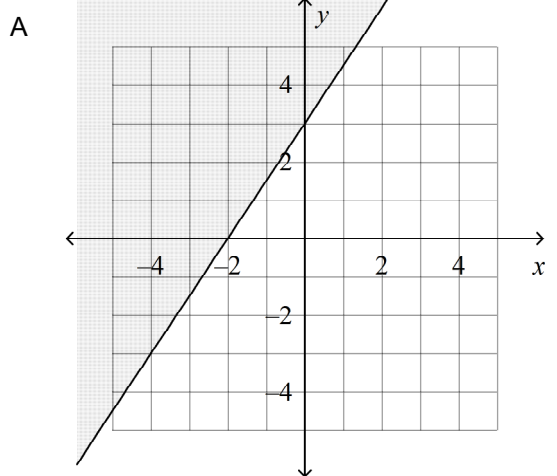
B



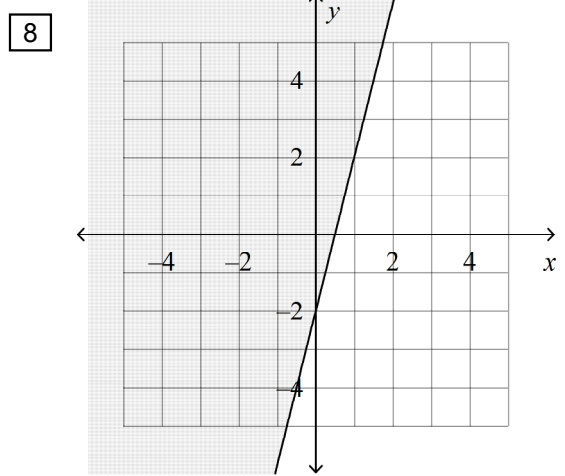
D



7  $3x - 2y \geq -6$



Write a linear inequality for the graph.



- A  $4x - y \geq -2$
- B  $4x + y \geq -2$

- C  $4x + y \leq 2$
- D  $4x - y \leq 2$

**B Inequalities Quiz 2**  
**Answer Section**MULTIPLE CHOICE

1	ANS: C	DIF: L2	STA: CA 7.AF.1.1
2	ANS: C	DIF: L2	STA: CA 7.AF.1.1   CA 7.MR.3.1
3	ANS: A	DIF: L2	STA: CA 7.AF.1.1   CA 7.AF.4.1   CA 7.MR.2.8
4	ANS: B	DIF: L2	STA: CA 7.AF.1.1   CA 7.AF.4.1   CA 7.MR.2.8
5	ANS: A	DIF: L3	STA: CA 7.AF.1.1   CA 7.AF.4.1   CA 7.MR.2.8
6	ANS: A	DIF: L2	STA: CA 7.AF.1.1   CA 7.AF.1.5   CA 7.MR.3.1
7	ANS: B	DIF: L3	STA: CA 7.AF.1.1   CA 7.AF.1.5   CA 7.MR.3.1
8	ANS: D	DIF: L3	STA: CA 7.AF.1.1   CA 7.AF.1.5   CA 7.MR.3.1