

D Inequalities Quiz 2

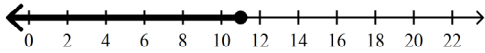
Multiple Choice

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

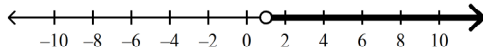
Solve the inequality. Graph the solutions.

1 $j + 5 < 6$

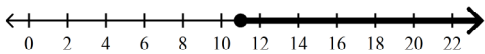
A $j < 11$



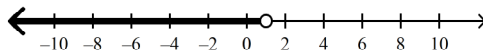
C $j > 1$



B $j > 11$



D $j < 1$



Solve the inequality.

2 $15 > -3j$

A $j < -5$

B $j > -18$

C $j > -5$

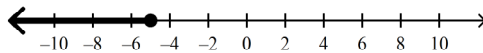
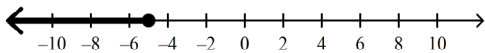
D $j > 12$

Solve and graph the inequality.

3 $-x - 5x \leq 30$

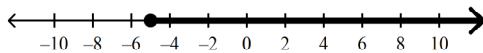
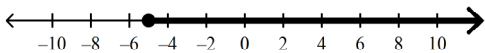
A $x \leq -5$

C $x \leq -5$



B $x \geq -5$

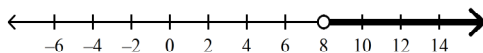
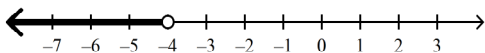
D $x \geq -5$



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

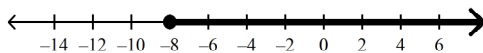
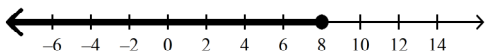
A $x < -4$

C $x > 8$



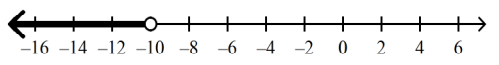
B $x \leq 8$

D $x \geq -8$

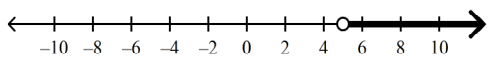


5 $\frac{4}{5}x + 5 < -3$

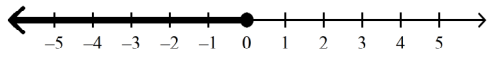
A $x < -10$



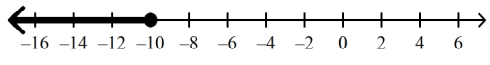
C $x > 5$



B $x \leq 0$



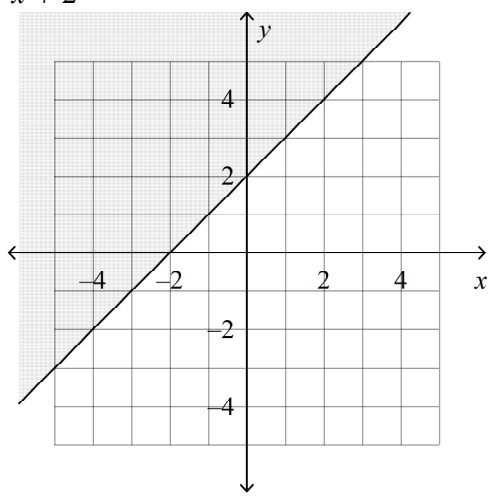
D $x \leq -10$



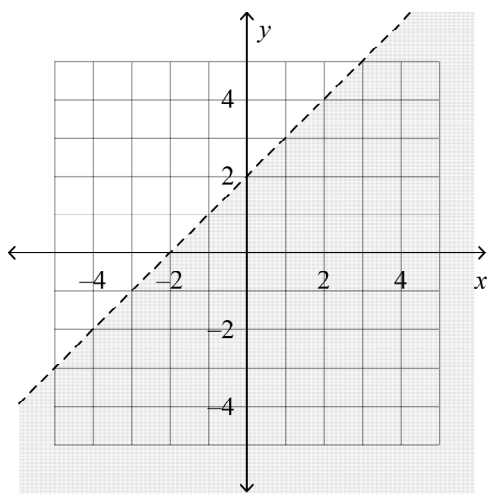
Graph the inequality on a coordinate plane.

6 $y < x + 2$

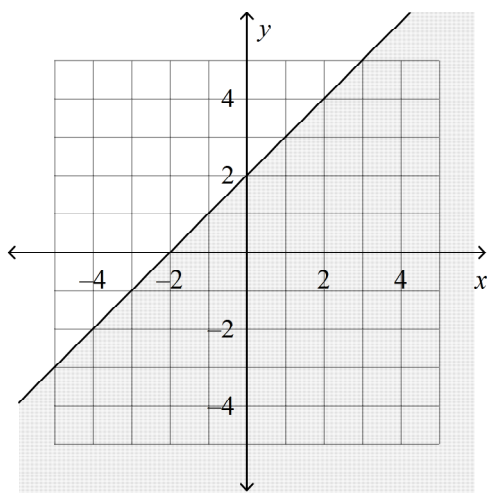
A



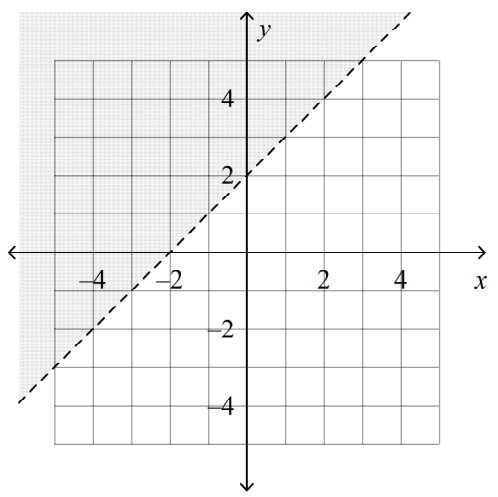
C



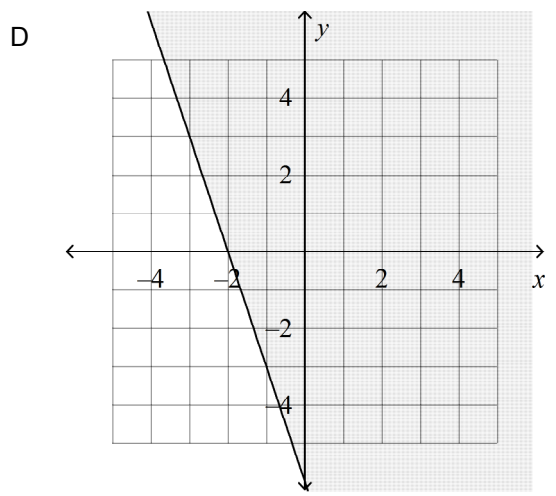
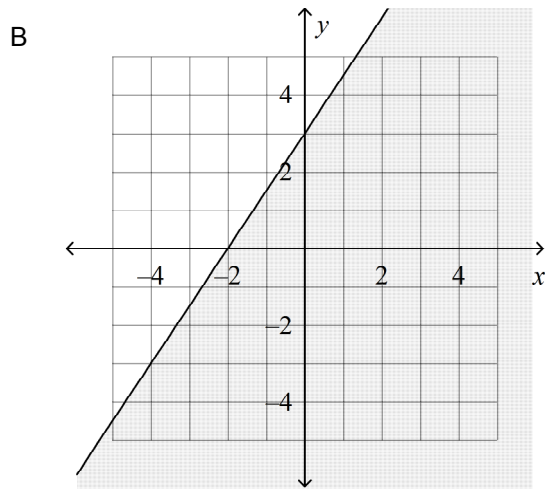
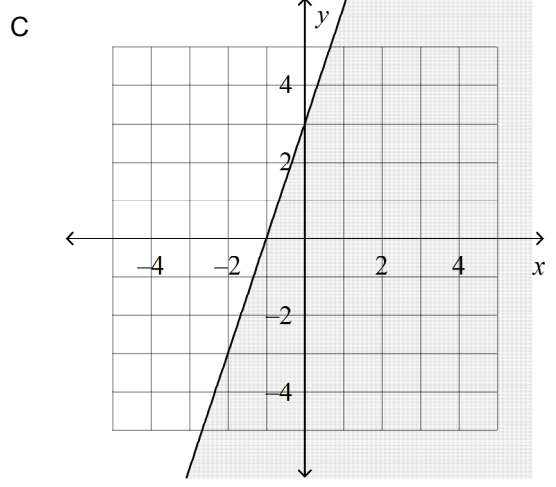
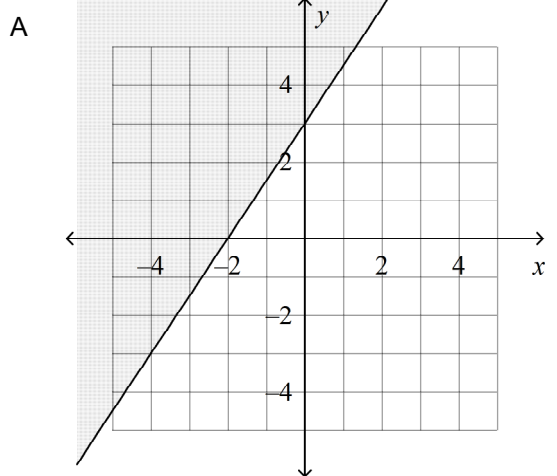
B



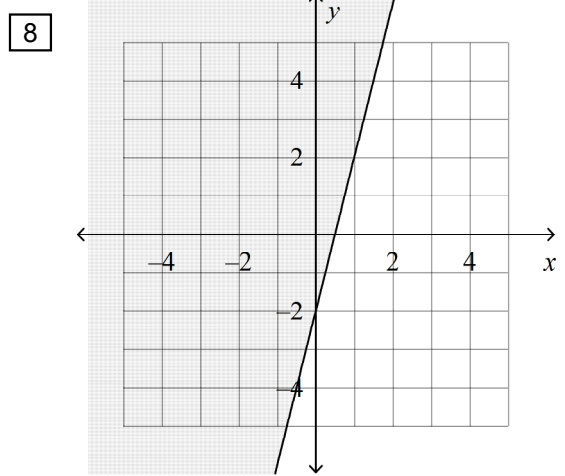
D



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 $4x - y \leq 2$

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Answer Section

MULTIPLE CHOICE

1	ANS: D	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: D	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: C	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