

ACTION

RESPONSE

Draw each of these regions on a 10 x 10 grid.

1) $y \leq 2x + 3 ; x \leq 3 ; y \geq 5$

4) $y \geq 2x - 3 ; y \geq 3 ; y \leq x + 2$

2) $x + 2y \geq 8 ; x \leq 6 ; y \leq 3$

5) $y \leq \frac{1}{3}x + 6 ; y \geq x ; y \geq 7$

3) $x + y \geq 9 ; x \leq 4 ; y \leq x + 5$

6) $x + 2y \geq 8 ; x \leq 6 ; 2y \leq 3x - 8$

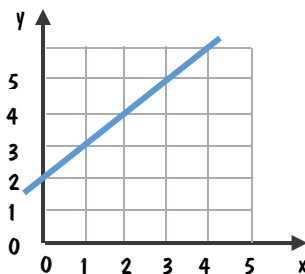
Fluency



Reasoning



Explain how you would find which side of the line represents the inequality $y < x + 2$



Problem Solving



If $x + y > 40$, which of the following may be true (M), must be false (F) or must be true (T)?

1) $x > 40$

5) $x + y = 40$

2) $x \leq 5$

6) $x + y \geq 39$

3) $y = 2x$

7) $x - y = 10$

4) $x + y \leq 20$

8) $y \geq 40 - x$



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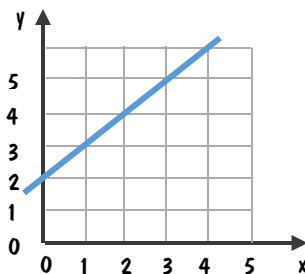
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