Intermediate Algebra Name_____

Target 1.1 - Skill WS - Testing Points In An Inequality

Teacher____

Consider the linear inequality: $2x - 5y < 12$. Are the following points solutions? In other words, do they fall in the shaded region of the graph? Show your algebra and check your answer on Desmos.

1) $(3, -1)$

2) $(1, -3)$

3) $(1, -2)$

4) $(12, 3)$

Consider the linear inequality: $x + 2y \geq -3$. Are the following points solutions? In other words, do they fall in the shaded region of the graph? Show your algebra and check your answer on Desmos.

5) $(-7, 0)$

6) $(1, -1)$

7) $(-5, 6)$

8) $(1, -2)$

Consider the linear inequality: $-3x - y < 5$. Are the following points solutions? In other words, do they fall in the shaded region of the graph? Show your algebra and check your answer on Desmos.

9) $(-2, 1)$

10) $(-5, -2)$

11) $(3, -5)$

12) $(1, -10)$

Answers to Target 1.1 - Skill WS - Testing Points In An Inequality

1) Yes, it is a solution. It does fall in the shaded region of the graph.
2) No, it is not a solution. It does not fall in the shaded region of the graph.
3) No, it is not a solution. It does not fall in the shaded region of the graph.
4) Yes, it is a solution. It does fall in the shaded region of the graph.
5) No, it is not a solution. It is also not in the shaded region of the graph.
6) Yes, it is a solution. It is also in the shaded region of the graph.
7) Yes, it is a solution. It is also in the shaded region of the graph.
8) Yes, it is a solution. It is also in the shaded region of the graph.
9) No, it is not a solution. It does not fall in the shaded region of the graph.
10) No, it is not a solution. It does not fall in the shaded region of the graph.
11) Yes, it is a solution. It does fall in the shaded region of the graph.
12) No, it is not a solution. It does not fall in the shaded region of the graph.