Graph the following inequalities:

1) \( y \leq -3 \)

2) \( k > 4 \)

3) \( b \geq -7 \)

4) \( z \neq 2 \)

5) \( 10 > m \)

Write the inequality statement:

6) ________

7) ________

8) ________

9) ________

10) ________

What would you do with this one?
Inequalities – Worksheet #1

Cumulative Review – Translations

1) Derek will get a bonus if he sells at least 50 sets of knives in a month. Use “k” to represent the number of knives he can sell to receive his bonus. __________

2) The “Under 12” soccer team carries players that are not yet 12 years old. Use “x” to represent the age of players on this team. __________

3) There can be no less than 4 occupational therapists in the hospital at any given time. Use “t” to represent the number of therapists in the hospital right now. __________

4) State regulations say there can be no more than 8 kids per teacher in the daycare rooms. Use “y” to represent how many kids are in the room if there is only one teacher. __________

5) Employees may work, at most, 30 hours of overtime each week. Use “h” to represent how many hours of overtime Mark worked last week. __________

6) A number written in scientific notation begins with something that is at least 1 but less than 10. Use “x” to represent what numbers may appear at the beginning of a scientific notation number. __________

Cumulative Review – Ordered Pairs

Write the coordinates as ordered pairs.

Point A: (     ,     )

Point B: (     ,     )

Point C: (     ,     )

Point D: (     ,     )

Point E: (     ,     )

What are you going to do with this one?