Name: _____ Date: _____

Domain = all inputs (x). Range = all outputs (y). Last two are challenge problems!

1. {(1,2), (3,4), (5,6)}: state the domain.

show your work

2. {(1,2), (3,4), (5,6)}: state the range.

show your work

3. {(0,5), (2,5), (4,7)}: domain and range.

show your work

4. Table: x = 1..4, y = 10, 20, 30, 40. Domain?

show your work

5. A line goes on forever in both directions. Domain?

show your work

6. f(x) = x^2. What is the range?

show your work

7. f(x) = x + 2 with domain {1, 2, 3}. Find the range.

show your work

8. Tickets cost $9 each; you can buy up to 4. Domain of t (tickets)?

show your work

9. f(x) = |x| - 3. State the range. ★ CHALLENGE

show your work

10. A ball's height h(t) is graphed from t = 0 to t = 4 s, max 64 ft, ends at 0. Domain and range in context? ★ CHALLENGE

show your work