

Name: _____

Date: _____

Output jumps in flat steps and stays constant between jumps. Watch which endpoint is included (open vs closed circle). Last two are

- 1.** Parking is \$4 per hour or ANY part of an hour. Cost for 1.5 hours?

show your work

- 2.** Same rule: cost for exactly 2 hours?

show your work

- 3.** Same: cost for 2.1 hours?

show your work

- 4.** A postage rate is \$1 for up to 1 oz, \$2 up to 2 oz. Cost for a 1.3-oz letter?

show your work

5. Why does a step function's graph use open and closed circles?

show your work

6. A taxi charges \$3 per mile or part of a mile. Cost for 2.6 miles?

show your work

7. Does a step function pass the vertical line test?

show your work

8. A phone plan: \$30 up to 5 GB, \$40 up to 6 GB. Cost for 5.5 GB used?

show your work

- 9.** Ferry tickets: \$5 for 1-10 riders, \$9 for 11-20. A group of 11 splits into two boats of 6 and 5. Cheaper to split or go together? ★ CHALLENGE

show your work

- 10.** A copy shop: \$0.10/page up to 100, then \$0.08/page for ALL pages if over 100. Cost of 100 vs 101 pages? ★ CHALLENGE

show your work