



Identifying Domain and Range

Elaborate

Directions: Cut out each of the cards on the following page. Match the graph to the inequality representing its domain and range. Answer the debriefing questions.

STAAR Mission Support Memo

- An open circle endpoint is used to indicate “not equal to” or “excludes”
- A closed circle endpoint is used to indicate “equal to” or “includes”

Debriefing Questions

1. How did knowing the endpoints of the graph help you determine the domain and/or range?

2. How does finding a maximum or minimum value in a curved graph help you determine the domain and/or range?



Name _____

Date _____

$$-\infty \leq x < \infty$$

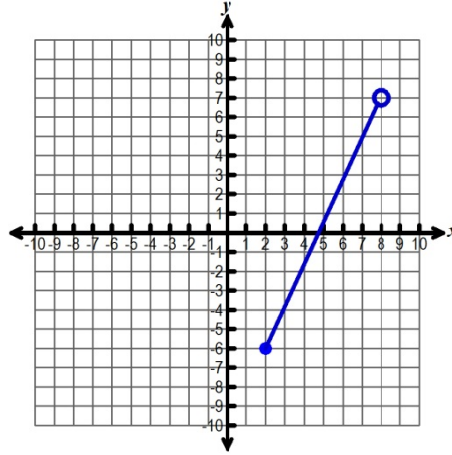
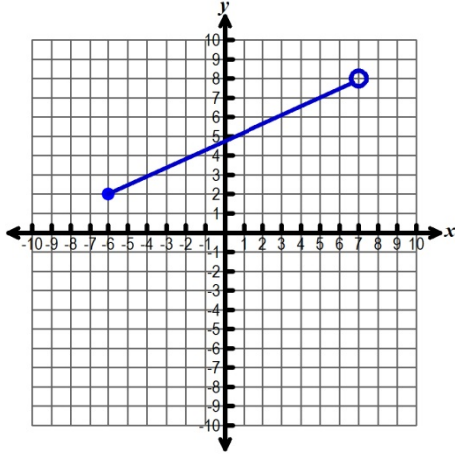
$$-5 \leq y < \infty$$

$$0 < y < \infty$$

$$y = 4(2)^x$$

$$y = 3x^2 - 5$$

$$-\infty \leq x < \infty$$

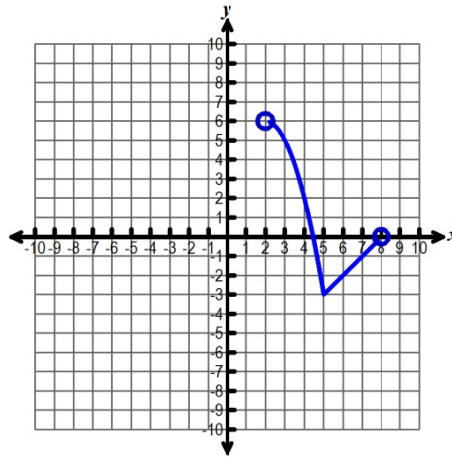
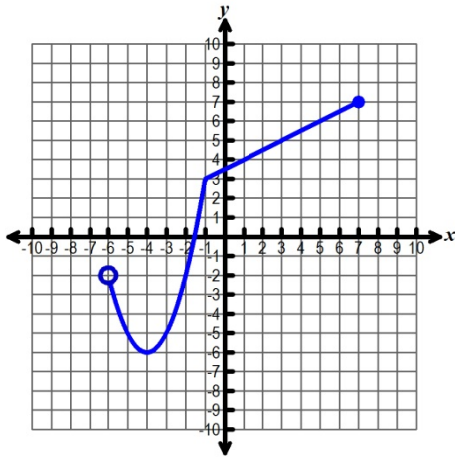


$$-3 \leq x < 6$$

$$2 \leq x < 8$$

$$-2 < y \leq 6$$

$$-3 \leq y < 6$$

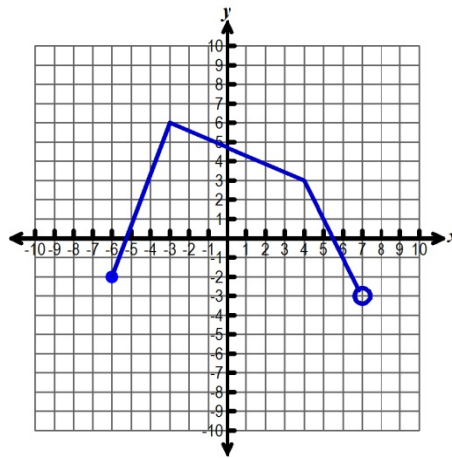
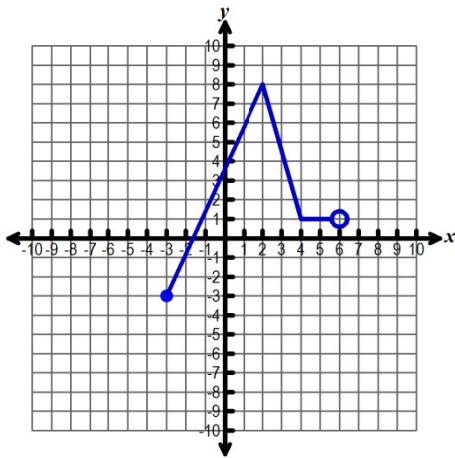


$$-6 < x \leq 7$$

$$-6 \leq x < 7$$

$$-3 \leq y \leq 8$$

$$-6 \leq y < 7$$



$$-6 \leq y \leq 7$$

$$2 \leq y < 8$$

$$-6 \leq x < 7$$

$$2 < x < 8$$

