



DEPARTMENT OF EDUCATION

*Leading the Drive to Top 5!*

# **PAWS Mathematics Grade 6**

## **Released Items With Data**

### **2014**

**00** Cats usually have 1 tail, 4 legs, 2 eyes, 2 ears, and 1 nose each. Based on this information, which statement is true about cats?

- A) The ratio of ears to nose is 1:1.
- B) The ratio of eyes to ears is 1:1.
- C) The ratio of legs to ears is 1:2.
- D) The ratio of tails to eyes is 2:1.

- 00** The table shows the recorded amount of rainwater that fell during a rainfall (in millimeters) and the time elapsed (in minutes).

### Rainfall Measurements

Amount of Rain (millimeters)	Time Elapsed (minutes)
50	20
75	30
150	60
225	90

If the rain fell at a constant rate, which additional pair of values fits in the table?

A)

Amount of Rain (millimeters)	Time Elapsed (minutes)
25	10

B)

Amount of Rain (millimeters)	Time Elapsed (minutes)
100	50

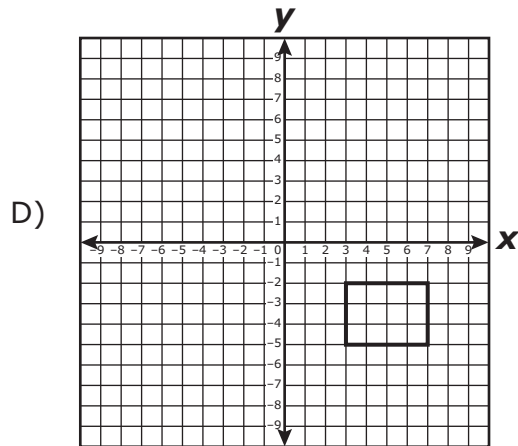
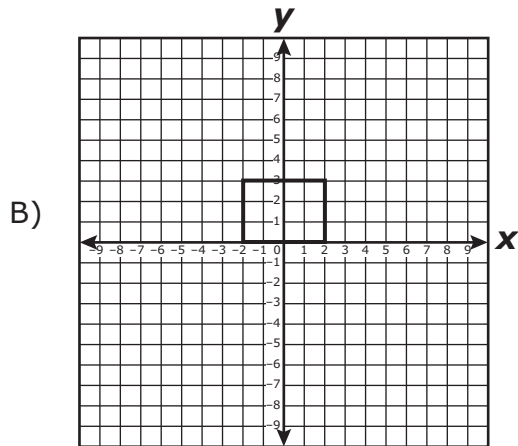
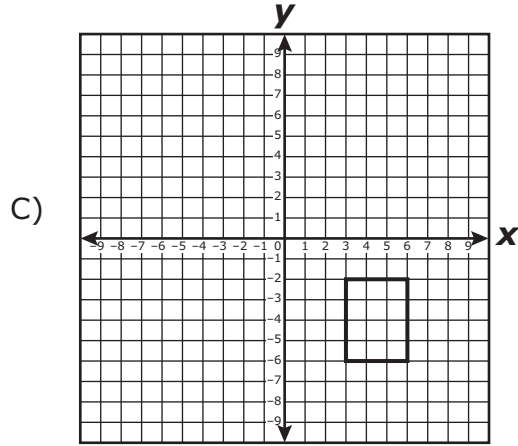
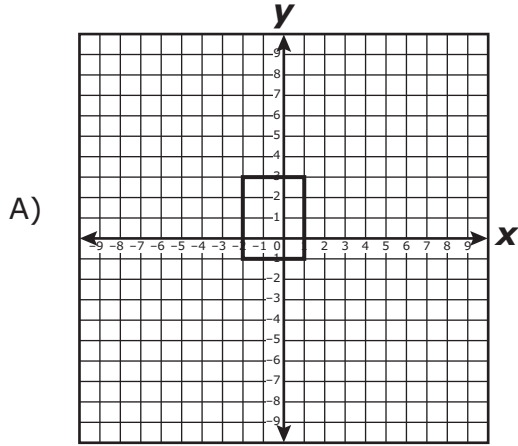
C)

Amount of Rain (millimeters)	Time Elapsed (minutes)
125	40

D)

Amount of Rain (millimeters)	Time Elapsed (minutes)
200	70

- 00** A rectangle is 3 units long horizontally and 4 units wide vertically. One of the vertices of the rectangle is located at  $(-2, 3)$ . Which coordinate plane could show this rectangle?



**00** Which number is not a coefficient of one of the terms in the expression  $5x^2 + 3x + y + 4y^2$ ?

- A) 2
- B) 3
- C) 4
- D) 5

**00** Linda is making pillows in the shape of cylinders. Which net could represent one of the pillows?

