Module 4, Topic 2

The Four Quadrants

I. A.

1. not on an axis

2. *y*-axis

3. *x*-axis

4. not on an axis

5. *x*-axis

6. *x*-axis

7. *y*-axis

8. not on an axis

9. both axes

10. *y*-axis

I. B.

1. Eighteen units to the right and 10 units up from the origin.

2. Two units to the left and 6 units up from the origin.

3. Twenty-four units to the right and 13 units down from the origin.

4. Eight and seventy-five hundredths units down from the origin.

5. Seven units to the left and 4 units down from the origin.

6. Thirty-six units to the left of the origin.

7. Five and five tenths units to the right and 11 units up from the origin.

8. Three and one third units to the left and $12\frac{2}{3}$ units up from the origin.

9. One hundred units to the left and one unit down from the origin.

10. Five tenths unit up from the origin.

I. C.

1. Quadrant II

2. Quadrant I

3. The point is not in any quadrant.

4. Quadrant III

5. Quadrant IV

6. Quadrant I

7. Quadrant III

8. Quadrant II

9. Quadrant IV

10. The point is not in any quadrant.

I. D.

1. (−12, 20) **2.** (−29, −17) **3.** $\left(4, \frac{1}{4}\right)$ **4.** (27, −11) **5.** (−15, −11)

6. (−19, 6) **7.** (62.3, 31.9) **8.** (28, −9) **9.** (−3, −25) **10.** (−1.03, 4)

I. E.

1. (12, −20) **2.** (29, 17) **3.** $\left(-4, -\frac{1}{4}\right)$ **4.** (−27, 11) **5.** (15, 11)

6. (19, −6) **7.** (−62.3, −31.9) **8.** (−28, 9) **9.** (3, 25) **10.** (1.03, −4)

I. F.

1. (12, 20) **2.** (29, −17) **3.** $\left(-4, \frac{1}{4}\right)$ **4.** (−27, −11) **5.** (15, −11)

6. (19, 6) **7.** (−62.3, 31.9) **8.** (−28, −9) **9.** (3, −25) **10.** (1.03, 4)

II. A.

1. (0, 6) **2.** (−3, −5) **3.** (8, −7) **4.** (−8, 0)

5. (−7, −6) **6.** (10, 4) **7.** (4, −4) **8.** (−6, 6)

III. A.

IV. A.

1.

Level of Monkey

y-axis: Person's Age (years)

The person is 2 years old.

2.

Time (hours)

y-axis: Distance from First Flag (miles)
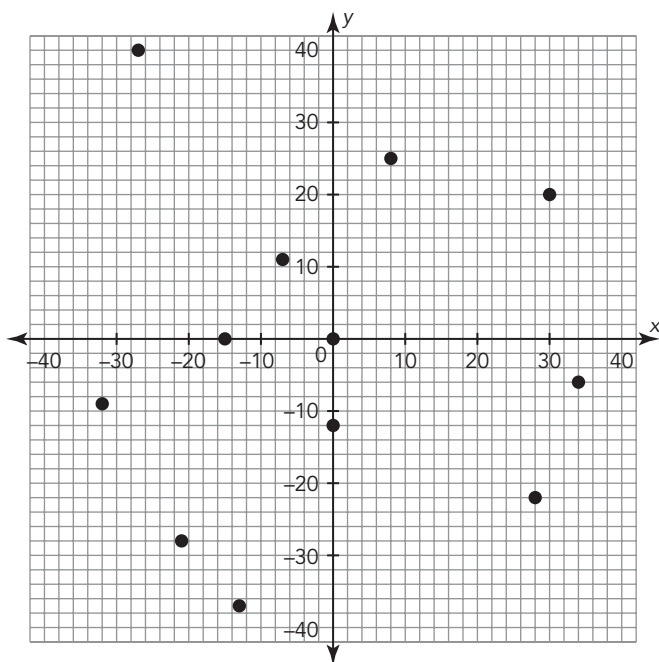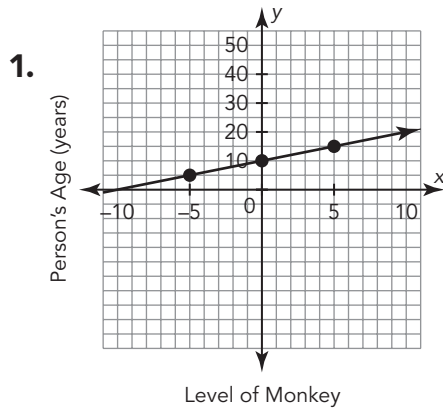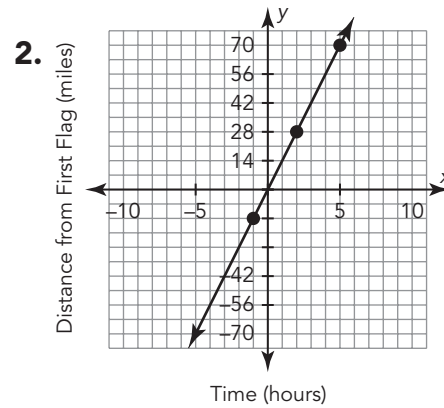
Denise was 56 miles away from the first flag 4 hours ago.

3.

Time (months)

y-axis: Change in Number of Books
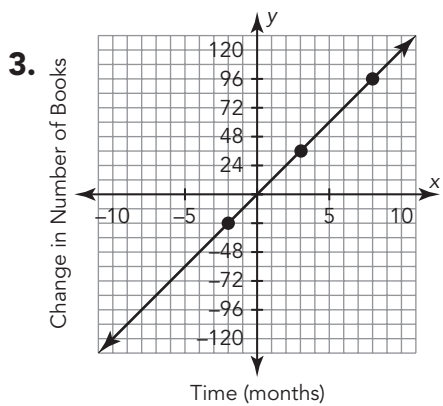
Four months ago, the library had 48 fewer books than it does now.

4.

Amount Jorge Could Make

y-axis: Savings Account Balance
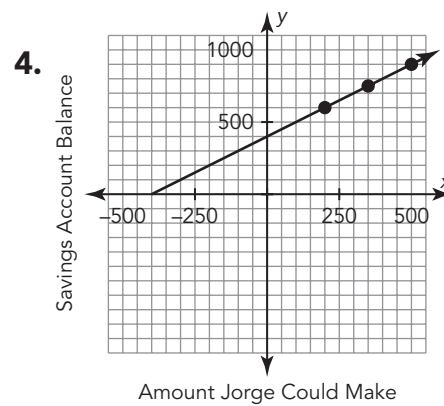
Jorge earned $300 over the summer.

5.

Strokes Above or Below Par

y-axis: Score
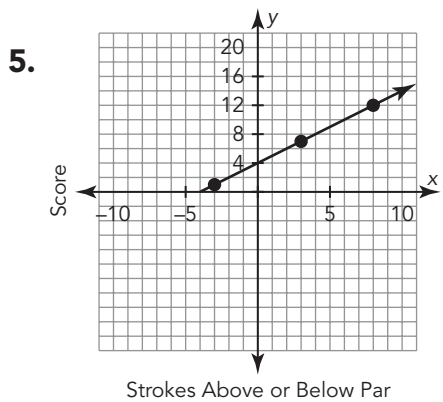
Samantha took one stroke below par.

6.

Time (minutes)

y-axis: Number of Babies Born
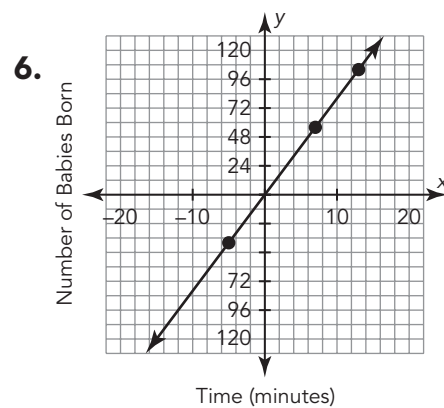
There were 96 fewer babies twelve minutes ago.