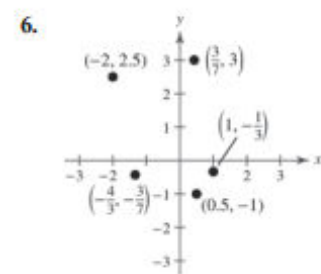
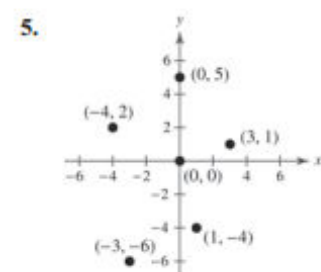


CHAPTER 1

Functions and Their Graphs

Section 1.1 Rectangular Coordinates

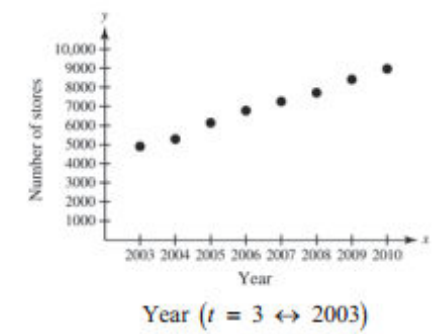
1. Cartesian
2. Origin; quadrants
3. Distance Formula
4. Midpoint Formula



7. $(-3, 4)$
8. $(-12, 0)$
9. $x > 0$ and $y < 0$ in Quadrant IV.
10. $x < 0$ and $y < 0$ in Quadrant III.
11. $x = -4$ and $y > 0$ in Quadrant II.
12. $y < -5$ in Quadrant III or IV.

15.

| Year, x | Number of Stores, y |
|-----------|-----------------------|
| 2003 | 4906 |
| 2004 | 5289 |
| 2005 | 6141 |
| 2006 | 6779 |
| 2007 | 7262 |
| 2008 | 7720 |
| 2009 | 8416 |
| 2010 | 8970 |



16.

| Month, x | Temperature, y |
|------------|------------------|
| 1 | -39 |
| 2 | -39 |
| 3 | -29 |
| 4 | -5 |
| 5 | 17 |

