Which number is greater? Explain.   *(Section B.4)*

1. $-3.6, -3.8$

2. $2.4, -4.2$

Use a number line to find the sum or difference.   *(Section B.5)*

3. $1\frac{1}{5} - 2\frac{3}{5}$

4. $-5 + 4.5$

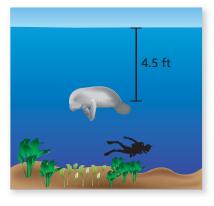**Plot the ordered pair in a coordinate plane. Describe the location of the point.**
(Section B.6)

5. $J(0, 6)$

6. $K(-3, 3)$

Make an input-output table for the function. Use the inputs $-2, -1, 0, 1$, and 2.
Then draw the graph of the function.   *(Section B.7)*
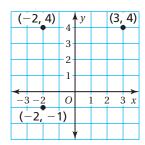
7. $y = 7 - x$

8. $y = x + 4$

9. STARS The *apparent magnitude* of a star measures how bright the star appears as seen from Earth. The brighter the star, the lower the number. Which star is the brightest?   *(Section B.4)*

Star	Altair	Gacrux	Procyon	Regulus	Vega
Apparent Magnitude	2.3	-1.2	2.6	-0.3	0.6

4.5 ft

10. DIVER The diver is 3 feet below the manatee. Write and evaluate an expression for the elevation of the diver relative to sea level.   *(Section B.5)*

11. MANATEE The manatee swims up $2\frac{1}{2}$ feet. Write and evaluate an expression for the new elevation of the manatee relative to sea level.   *(Section B.5)*

12. REASONING The coordinates of three vertices of a square are shown in the figure. What are the coordinates of the fourth vertex?   *(Section B.6)*

13. FARMERS MARKET Graph the function shown in the table. Write an equation for the function.   *(Section B.7)*

Cost of Asian Pears				
Pounds, *p*	1	2	3	4
Cost ($), *c*	3	6	9	12