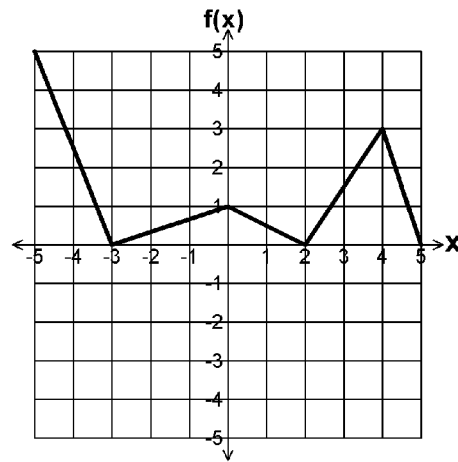
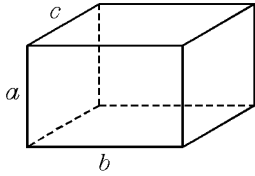


Algebra 2
Day 5 Warm Up

Name _____

Date _____

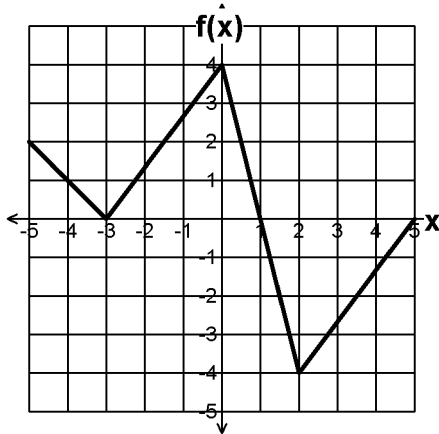
1. A right rectangular prism is shown. If $a = 2$, $b = 4$, and $c = 3$, what is the volume of this prism?



3. The graph of function f is shown above. Which of the following statements are true about f ?

- I. f is increasing for $-3 \leq x \leq 0$.
- II. f has a zero at $x = 5$.
- III. f is decreasing for $0 \leq x \leq 2$.

- a) I only
- b) II only
- c) III only
- d) I and II only
- e) I, II and III



2. The figure above shows the graph of function f . What is the range of function f ?

- a) $x \geq 5$
- b) $-5 \leq f(x) \leq 5$
- c) $-4 \leq f(x) \leq 4$
- d) $-5 \leq x \leq 5$
- e) all real numbers

4. If $\frac{x-5}{4} = \frac{x+1}{3}$, then $x =$

- a) -19
- b) -16
- c) -6
- d) 6
- e) 16

5. If $\sqrt{x-2} = 7$, then $x =$

- a) -14
- b) -9
- c) 9
- d) 51
- e) no solution

1.
Answer: 24 units³
CodePath: EAS.GEO.K.D.4
2.
Answer: c
CodePath: EAS.SAT.G.C.17
3.
Answer: e
CodePath: EAS.SAT.G.G.7
4.
Answer: a
CodePath: EAS.SAT.F.B.22
5.
Answer: d
CodePath: EAS.SAT.F.C.2