

Algebra 2  
Warm Up Pretest Unit 1

Name \_\_\_\_\_

Date \_\_\_\_\_

1. If  $(6 - 4)(4 - 2)x = (2 - 4)(6 - 4)$ , then  $x =$

- a)  $-4$                       b)  $-1$                       c)  $0$                       d)  $1$                       e)  $4$

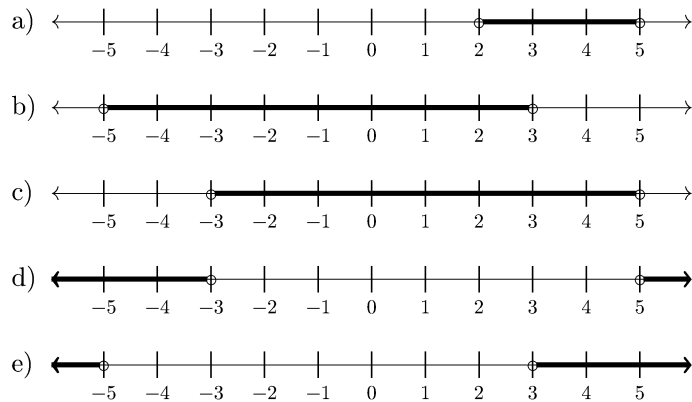
2. If  $2 \times 3 \times 4 \times 5 \times 6 \times 7 = 12 \times a \times 42$ , then  $a =$

- a)  $-27$                       b)  $6$                       c)  $10$                       d)  $12$                       e)  $24$

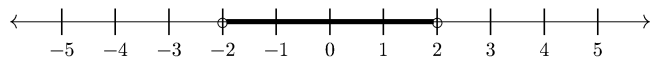
3. What is the sum of the solutions to the equation  $|2x + 3| = 7$ ?

- a)  $-7$                       b)  $-3$                       c)  $3$                       d)  $7$                       e)  $10$

4. What is the graph of the solution to  $|x - 1| < 4$ ?



5. Which mathematical expression does this graph represent?



- a)  $|x| < 2$                       b)  $|x| > 2$                       c)  $|x| \leq 2$                       d)  $|x| \geq 2$                       e)  $x = 2$

1.  
Answer:        b  
CodePath:     EAS.SAT.B.C.37
2.  
Answer:        c  
CodePath:     EAS.SAT.B.C.35
3.  
Answer:        b  
CodePath:     EAS.SAT.F.A.2
4.  
Answer:        c  
CodePath:     EAS.SAT.F.A.6
5.  
Answer:        a  
CodePath:     EAS.SAT.F.A.9