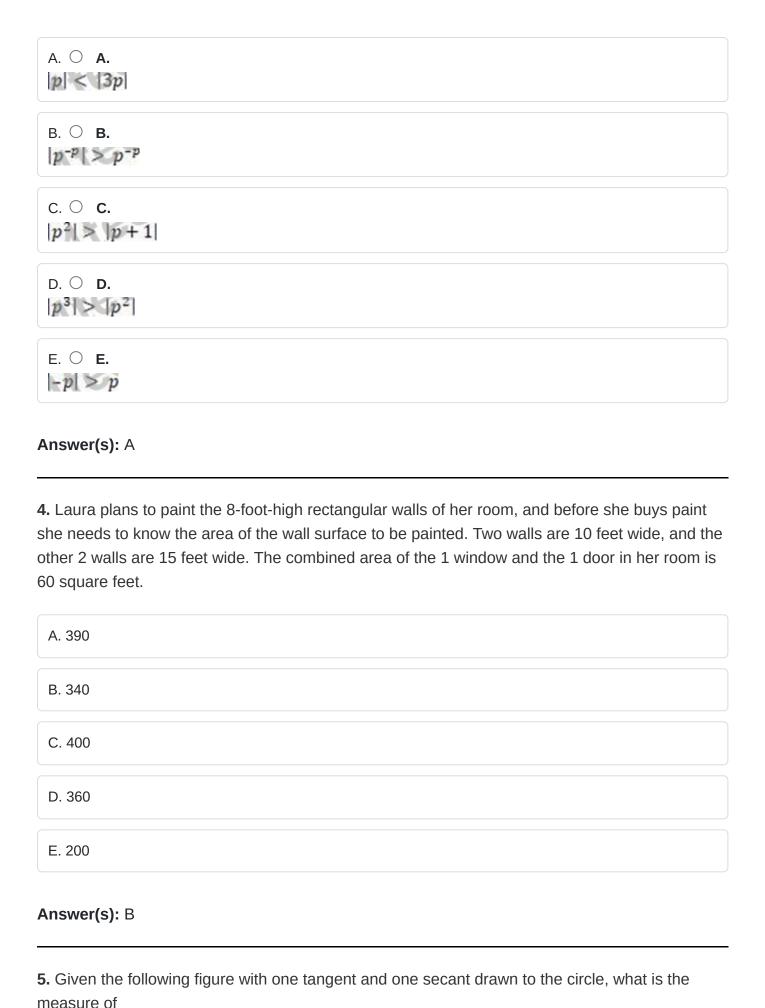
Act American College Testing: Math Section

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			Circley: Ctrr	CLO C I C,		0,	00119100110	-		O D .

A. 110°	
B. 70°	
C. 55°	
D. 27.5°	
E. 125°	
Answer(s): B	
2. If b3 = -64, then b 2 - 3b - 4 =:	
A. 0.	
B6.	
C4.	
D. 24.	
E. 28.	
Answer(s): D	

3. Which of the following statements is always true if p is a rational number?



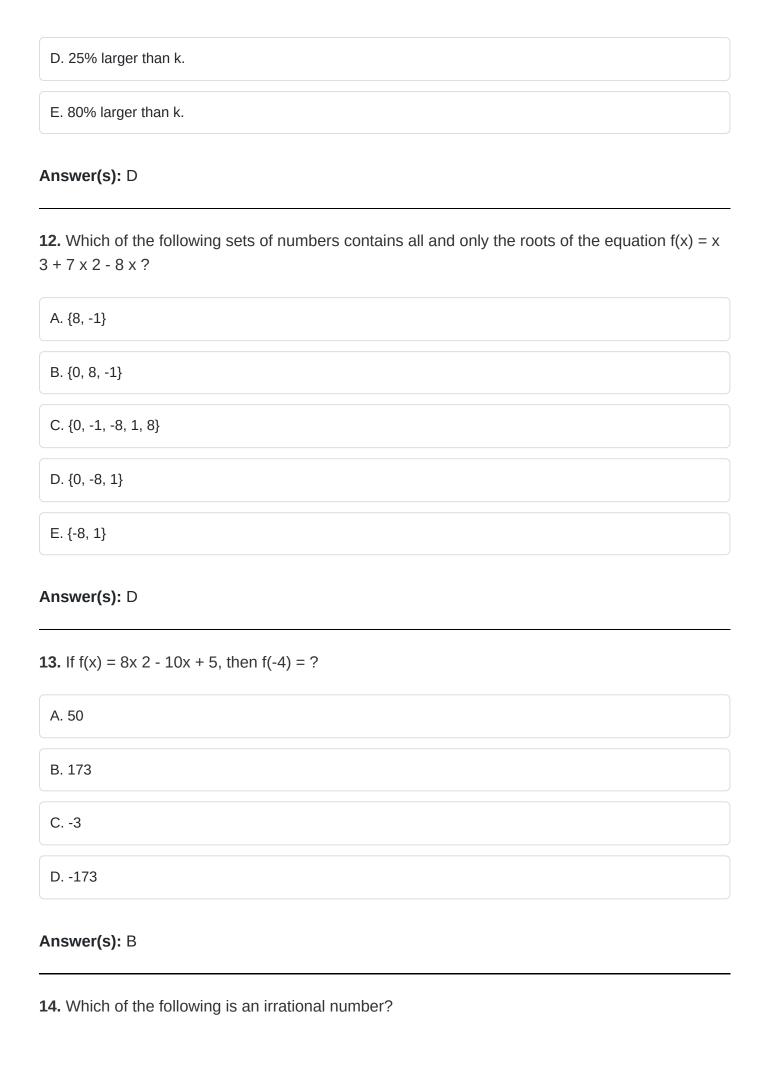
A. 50
B. 85
C. 60
D. 25
E. 110
Answer(s): D
6. In the diagram above, ABDE is a square and BCD is an equilateral triangle.
A. ○ A. 60√3 cm
B. \bigcirc B. $36\sqrt{3}$ cm
C. 84 cm
D. \bigcirc D. $30\sqrt{3}$ cm
E. 60 cm
Answer(s): E

7. If $3 \times y = 2$ and $2 y - 3 \times y = 8$, which of the following is equal to x / y?

A. O A. 2\frac{1}{2}
B. 6
C. 2/3
D. 4
E. 2/5
Answer(s): E
3. What is x, the second term in the series of $1/3 + x + 1/27 + 1/81$?
3. What is x, the second term in the series of $1/3 + x + 1/27 + 1/81$? A. $1/6$
A. 1/6
A. 1/6 B. 1/15

9. The pie chart above shows the distribution of video rentals from Al's Video Vault for a single night.

A. 22
B. 20
C. 30
D. 10
E. 25
Answer(s): E
10. What is the sum of the solutions of the 2 equations below?
A. O A. 2 2 5
B. 10
C. O C.
D. \bigcirc D. $17\frac{1}{2}$
E. 9
Answer(s): C
11. If 40% of j is equal to 50% of k, then j is:
A. 10% larger than k.
B. 15% larger than k.
C. 20% larger than k.



A. 4 -3
B. ○ B. (√32)
C. ○ C. →(√3√3) D √72 √200
D. O D.
Answer(s): B
15. The measures of the length, width, and height of a rectangular prism are in the ratio 2:6:5.
A. 6 mm
B. 3 mm
C. 9 mm
D. 27 mm
E. 18 mm
Answer(s): E
16. When $x = 1/2$, what is the value of $(8x - 3) / x$?
A. 5/2
B. 1/2
C. 10

