

# Pre-AP Precalculus

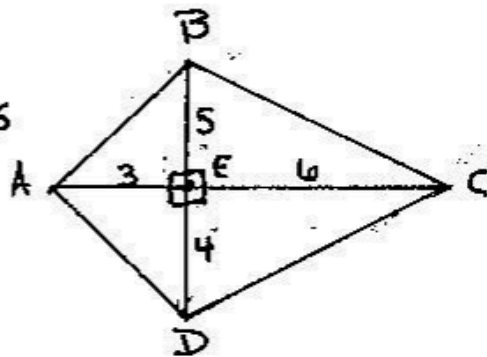
## CR 1 – SAT PREP 1

---

1] IF  $3Y - 7 = 20$ , WHAT IS THE VALUE OF  $2Y + 1$

- A) 13      B) 15      C) 17      D) 19      E) 21
- 

2] IN THE FIGURE WHICH OF THE TRIANGLES WILL HAVE THE LARGEST AREA



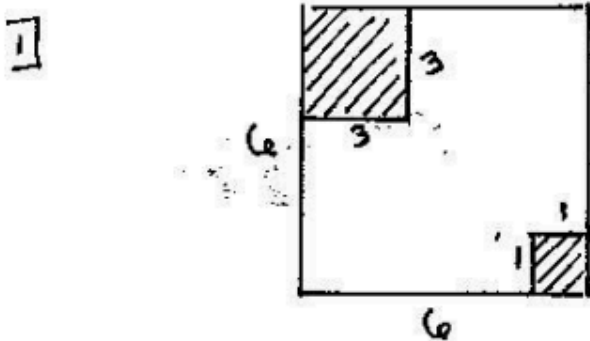
- A) BEC  
B) ABE  
C) AED  
D) DEC  
E) BDC
- 

3] THE AVERAGE OF THREE NUMBERS IS 22. THE AVERAGE OF 2 OF THOSE NUMBERS IS ALSO 22. WHAT IS THE VALUE OF THE THIRD NUMBER IN THE ORIGINAL "THREE"?

- A) 20      B) 21      C) 22      D) 23      E) 24

# Pre-AP Precalculus

## CR 1 – SAT PREP 1



IN THE FIGURE ABOVE WHAT IS THE AREA OF THE UNSHADED AREA?

A) 10

B) 16

C) 20

D) 26

E) 27

2] IF  $4^{2x+1} = 8^2$  WHAT IS THE VALUE OF X

A) -1

B) 0

C) 1

D) 2

E) 3

3] IF 7 LESS THAN 2 TIMES A CERTAIN NUMBER IS 2 LESS THAN THE NUMBER, WHAT IS THE NUMBER?

A) 2

B) 3

C) 4

D) 5

E) 6

# Pre-AP Precalculus

## CR 1 – SAT PREP 1

---

1] WHAT IS THE MAXIMUM POSSIBLE PERIMETER OF AN ISOSCELES TRIANGLE IF ALL THREE SIDE LENGTHS ARE INTEGERS LESS THAN 10?

- A] 24      B] 25      C] 26      D] 27      E] 30

2] THE 9<sup>TH</sup> GRADE AT CHAPIN HAS HAD FOUR TESTS IN THEIR HISTORY CLASS. THE AVERAGE OF JOHN'S TEST SCORES 83, 93, 71 AND A IS THE SAME AS MARIA'S TEST SCORES WHICH WERE 100, 82, 83 AND B. WHAT IS THE DIFFERENCE BETWEEN SCORES A AND B?

- A] 12      B] 14      C] 16      D] 18      E] 20

3] SIXTY PERCENT OF 30 IS THE SAME AS 25 PERCENT OF WHAT NUMBER?

- A] 18      B] 36      C] 48      D] 72      E] 90