



$$13r + 8v = 47$$
$$22v = 63 - 17r$$

Rased on the system of equations above, what is the sum of r and v?

(11)
$$13v + 8v = 47$$
.(11)
 $(4) \overline{7}v + 22v = 63$ (4)
 $13v + 88v = 252$
 $143v + 88v = 252$
 $75v = 265$
 $75v = 265$

20

A gardener has a cultivated plot that measures 4 feet by 6 feet. Next year, she wants to double the area of her plot by increasing the length and width by x feet

$$\frac{24}{(6+x)(4+x)} = 48$$

$$\frac{24}{(6+x)(4+x)} = 48$$

$$\frac{24}{(6+x)(4+x)} = 48$$

$$10x + x^2 + 24 = 48$$

$$10x + x^2 + 24 = 9$$

$$x^2 + 10x - 24 = 0$$

$$(x-4)(x-6) = 0$$

$$\frac{24}{(x-2)(x+12)}$$

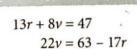
$$\frac{24}{(x-2)(x+12)}$$

STOP

If you finish before time is called, you may check your work on this section only. Do not turn to any other section in the test.

30(174) =110

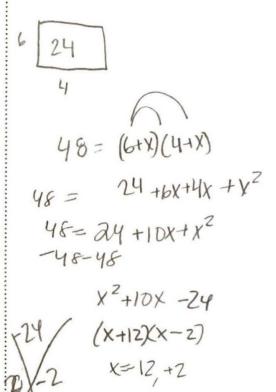




Based on the system of equations above, what is the

20

A gardener has a cultivated plot that measures 4 feet by 6 feet. Next year, she wants to double the area of her plot by increasing the length and width by x feet What is the value of x?



STOP

If you finish before time is called, you may check your work on this section only. Do not turn to any other section in the test.

15BN10448 Page 670; Q19 ISBN-0448--Page670--ISBN-0581--Page678--Section03--Q19--Solution 138 + 8 V = 47 = 63 - 17r 22V 138+ 80 = 47 = 63 174 + 224 4 r OE 30 v =110 (r+ v) 30 = 110 47) = 110 110 47

_ STAR. ***

STAR.

- III **-**K

STAR.

山水