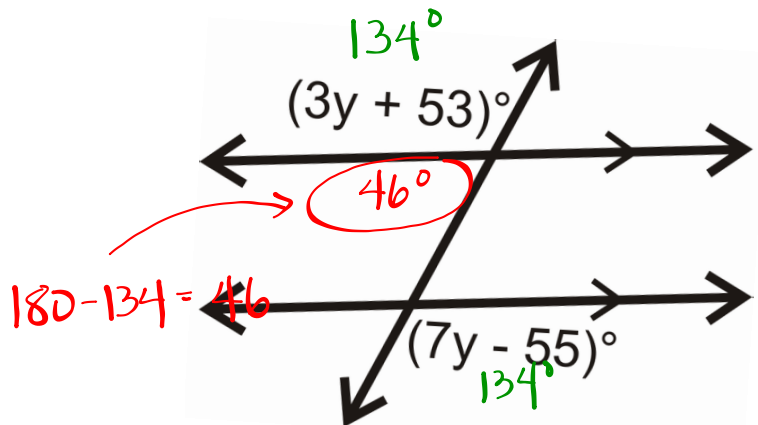


Warm Up

5/19

Solve for y , and then figure out the measures of the angles labeled.



$$\begin{array}{r} 7y - 55 = 3y + 53 \\ -3y \quad -3y \\ \hline \end{array}$$

$$\begin{array}{r} 4y - 55 = 53 \\ +55 \quad +55 \\ \hline \end{array}$$

$$\begin{array}{r} 4y = 108 \\ 4 \quad 4 \\ \hline y = 27 \end{array}$$

$$3y + 53$$

$$3(27) + 53$$

$$81 + 53 = 134^\circ$$

Homework Questions?

For Exercises 23–34, use the Distributive Property to write each expression in expanded form.

23. $(x - 3)(x + 4)$

24. $(x + 3)(x + 5)$

25. $x(x + 5)$

26. $(x - 2)(x - 6)$

27. $(x - 3)(x + 3)$

28. $(x - 3)(x + 5)$

29. $(2x + 1)(x + 1)$

30. $(x - 1)(7x + 1)$

31. $(x - 1)(3x - 3)$

32. $(x+7)^2$

$\neq x^2 + 49$

$(x+7)(x+7)$

$x^2 + 14x + 49$

33. $(3x+4)^2$

~~$9x^2 + 16$~~

34. $(3x-4)^2$

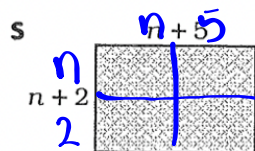
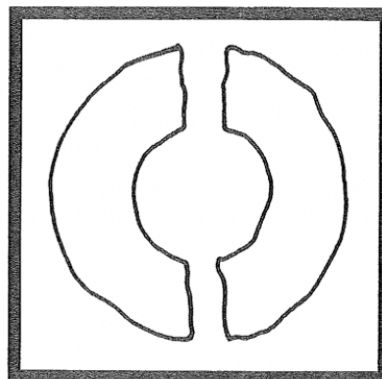
~~$9x^2 + 16$~~

For each problem, show all work in your notebook.

Law of the Donut

What Famous Rule of Donuts Is Illustrated by This Picture?

For the first exercise in each set, find the area of the rectangle. For all other exercises, multiply using the distributive property. Write the letter of the exercise in the box that contains the number of the answer.



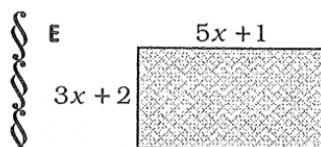
A $(n+4)(n+9)$

E $(n-3)(n+10)$

W $(n-6)(n-5)$

O $(2n+2)(3n+8)$

A $(7n+5)(4n-1)$



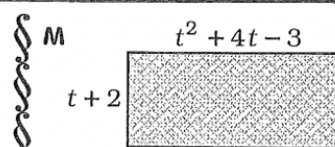
A $(9x-2)(4x-4)$

L $(6x+1)(3x-2)$

E $(5x-4)(2x+7)$

O $(2x+5y)(x+6y)$

H $(4x-y)(9x-4y)$



T $(2t-3)(3t^2+2t+5)$

K $(4t+1)(2t^2-7t+2)$

H $(3t-4)(2t^2-t-5)$

L $(8t-3)(t^2+2t+9)$

V $(5t+2)(4t^2-3t-10)$

Homework

Finish classwork

All work must be shown!