

Parallel Lines & Transversals ~ Solving Equations Riddle!

Directions: Each diagram is formed by two parallel lines and a transversal. Find the value of x . Then write the letter above the line that the answer corresponds to.

What do you call a sleeping bull?



A b u l l d o z e r
 11 26 18 37 37 5 20 33 8 19

O

$5x + 4x = 180$
 $9x = 180$
 $x = 20$

L

$3x - 5 + 2x = 180$
 $5x - 5 = 180$
 $5x = 185$
 $x = 37$

B

$3x - 1 = 77$
 $3x = 78$
 $x = 26$

R

$5x + 9 = 104$
 $5x = 95$
 $x = 19$

A

$40 + 10x + 30 = 180$
 $70 + 10x = 180$
 $10x = 110$
 $x = 11$

Z

$2x + 48 + 2x = 180$
 $4x + 48 = 180$
 $4x = 132$
 $x = 33$

U

$7x - 5 + 2x + 23 = 180$
 $9x + 18 = 180$
 $9x = 162$
 $x = 18$

E

$12x - 6 = 90$
 $12x = 96$
 $x = 8$

D

$36 = 11x - 19$
 $55 = 11x$
 $5 = x$

Parallel Lines & Transversals ~ Missing Angle Maze!

Directions: Each diagram is formed by two parallel lines and a transversal. Find the value of x . Use your answers to navigate through the maze. **SHOW ALL STEPS!**

