

Zimbabwean Hideout 1

Which of the following is an example of the inverse property of multiplication?

If $3 + (-3) = 0$

then go to 2

If $3 \cdot 0 = 0$

then go to 3

If $3 \cdot \frac{1}{3} = 1$

then go to 5

If $3 \cdot 1 = 3$

then go to 8

Zimbabwean Hideout 2

Which statement is not an example of the distributive property?

If $2(x + y) - 3 = 2x + 2y - 3$

then go to 4

If $9 \cdot 5 = 5 \cdot 9$

then go to 3

If $9(5 - 2) = 45 - 18$

then go to 6

If $90 + 25 = 5(18 + 5)$

then go to 7

Zimbabwean Hideout 3

When is the following statement true:

“The absolute value of a number is greater than zero.”

If for every number	then go to 1
If for no numbers	then go to 5
If for non-negative numbers	then go to 9
If for every number but zero	then go to 6

Zimbabwean Hideout 4

Which equation is equivalent to $7 - 5x + 2x = 5x + 2$

If $7 = 2x + 2$	then go to 1
If $7 = 8x + 2$	then go to 10
If $7 - 7x = 5x + 2$	then go to 8
If $5 = 12x$	then go to 7

Zimbabwean Hideout 5

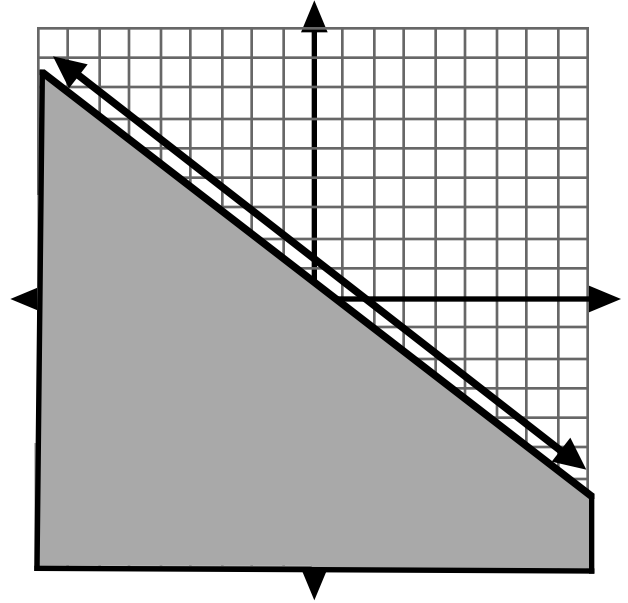
Which inequality is shown on the graph?

If $y \leq -\frac{3}{4}x + 1$ then go to 8

If $y > -\frac{3}{4}x + 1$ then go to 3

If $y \leq \frac{4}{3}x + 1$ then go to 7

If $y < \frac{4}{3}x + 1$ then go to 6



Zimbabwean Hideout 6

Give a counterexample to the statement:

“If a number divides 8 evenly then it also divides 6 evenly.”

If 1 then go to 4

If 2 then go to 2

If 3 then go to 7

If 4 then go to 9

Zimbabwean Hideout 7

What is the y-intercept of: $5x - 3y = 15$

If 3	then go to 6
If -3	then go to 3
If 5	then go to 5
If -5	then go to 4

Zimbabwean Hideout 8

Which of the following points lies on the line defined by: $y = -2x + 5$

If (-2,1)	then go to 3
If (1,7)	then go to 4
If (2,1)	then go to 2
If (0,-2)	then go to 5

Zimbabwean Hideout 9

Michelle sold tickets for the basketball game. Each adult ticket cost \$3.00 and each student ticket cost \$1.50. There were 105 tickets sold for a total of \$180.00. How many of each type of ticket were sold?

If 90 adult and 15 student then go to 1

If 15 adult and 90 student then go to 7

If 43 adult and 63 student then go to 10

If 63 adult and 43 student then go to 5

Zimbabwean Hideout 10

Which of the following relations is a function?

If $\{(2,3),(2,7),(0,7)\}$

then go to 9

If $\{(1,5),(-2,7),(2,7)\}$

then go to 1

If $\{(0,1),(1,9),(2,7),(0,7)\}$

then go to 6

If $\{(7,1),(2,9),(7,7),(0,7)\}$

then go to 3