GRAFFITI EQUATIONS

Objectives:

- Students will solve for the unknown variable.

Directions to the Teacher:

- Place the students in a group of two.
- Each group will receive one graffiti board, and a problem deck of Graffiti cards.
- One student will draw a card and call out the problem to his opponent. If the opponent solves the equation correctly, he gets to *graffiti* the number of bricks on the graffiti board that the problem allows.
- The student who graffiti the most bricks wins the game.
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Materials:

- White paper – Graffiti board
- Red card stock – Problem deck (laminate and cut)

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Problem: $-24 = 2X - (-12)$
Answer: $X = -18$

Graffiti: 3 BRICKS

Problem: $X - 7 = 26$
Answer: $X = 33$

Graffiti: 1 BRICK

Problem: $-14 = X - (-17)$
Answer: $X = -31$

Graffiti: 2 BRICKS

Problem: $(X/5) = 5$
Answer: $X = 25$

Graffiti: 1 BRICK

Problem: $(X/5) + 4 = 1$
Answer: $X = -15$

Graffiti: 1 BRICK

Problem: $-10 = (X/-6) + 4$
Answer: $X = 36$

Graffiti: 2 BRICKS

Problem: $(X/-3) + 7 = 9$
Answer: $X = -6$

Graffiti: 1 BRICK

Problem: $2(X + 6) = 42$
Answer: $X = 15$

Graffiti: 1 BRICK

Problem: $12 = (X/12) + 8$
Answer: $X = 48$

Graffiti: 2 BRICKS

Problem: $(X/7) = 16$
Answer: $X = +112$

Graffiti: 2 BRICKS

Problem: $12 = (X/-5)$
Answer: $X = -60$

Graffiti: 2 BRICKS

Problem: $4(X - 13) = 40$
Answer: $X = 23$

Graffiti: 2 BRICKS

Problem: $7X + 6 = 69$
Answer: $X = 9$

Graffiti: 1 BRICK

Problem: $6 + X = 20$
Answer: $X = 14$

Graffiti: 2 BRICKS

Problem: $18 = X - 2$
Answer: $X = 20$

Graffiti: 2 BRICKS

Problem: $X + -2 = 7$
Answer: $X = 9$

Graffiti: 1 BRICK

Problem: $-8X + -9 = 31$
Answer: $X = -5$

Graffiti: 1 BRICK

Problem: $-5X - 3 = -38$
Answer: $X = 7$

Graffiti: 2 BRICKS

Problem: $4X = -64$
Answer: $X = -16$

Graffiti: 2 BRICKS

Problem: $-8X = -16$
Answer: $X = 2$

Graffiti: 1 BRICK

Problem: $X + 4 = -11$
Answer: $X = -15$

Graffiti: 1 BRICK

Problem: $5(X - 3) = -70$
Answer: $X = -11$

Graffiti: 2 BRICKS

Problem: $(X/3) - 7 = 2$
Answer: $X = 27$

Graffiti: 1 BRICK

Problem: $11 = (-X/7) - (-4)$
Answer: $X = -49$

Graffiti: 3 BRICKS

Problem: $(X/3) = 4$
Answer: $X = 12$

Graffiti: 1 BRICK

Problem: $X - (-11) = 4$
Answer: $X = -7$

Graffiti: 1 BRICK

Problem: $2X - 3 + 3X = -38$
Answer: $X = -7$

Graffiti: 2 BRICKS

Problem: $4 + 3X = -5$
Answer: $X = -3$

Graffiti: 2 BRICK

Problem: $(X/-4) = 8$
Answer: $X = -32$

Graffiti: 2 BRICKS

Problem: $(X/2) = 14$
Answer: $X = 28$

Graffiti: 1 BRICK

Problem: $42 = -6X$
Answer: $X = -7$

Graffiti: 3 BRICKS

Problem: $30 = -3X - 6$
Answer: $X = -12$

Graffiti: 1 BRICK

Problem: $-10X = -60$
Answer: $X = 6$

Graffiti: 1 BRICK

Problem: $(X/8) + -5 = -2$
Answer: $X = 24$

Graffiti: 1 BRICK

Problem: $34 = X + 9$
Answer: $X = 25$

Graffiti: 2 BRICKS

Problem: $72 = 8X$
Answer: $X = 9$

Graffiti: 2 BRICKS

Problem: $-6 = X - (-12)$
Answer: $X = -18$

Graffiti: 2 BRICKS

Problem: $X + 7 = 6$
Answer: $X = -1$

Graffiti: 1 BRICK

Problem: $-6 = (X/-6)$
Answer: $x = 36$

Graffiti: 2 BRICKs

Problem: $3(4x + 18) = -150$
Answer: $x = -17$

Graffiti: 3 BRICKS

Problem: $(X/3) + 8 = -10$
Answer: $X = -54$

Graffiti: 2 BRICKS

Problem: $13 = -10 + X$
Answer: $X = 23$

Graffiti: 3 BRICKS

Problem: $-11 = (X/14)$
Answer: $X = -154$

Graffiti: 3 BRICKS

Problem: $2X = 8$
Answer: $X = 4$

Graffiti: 1 BRICK

Problem: $X - 9 = 1$
Answer: $X = 10$

Graffiti: 1 BRICK

Problem: $12X - 5X - 18 = 3$
Answer: $X = 3$

Graffiti: 2 BRICKS

Problem: $4X - 7 = -47$
Answer: $X = -10$

Graffiti: 2 BRICKS

Problem: $-43 = X - 27$
Answer: $X = -16$

Graffiti: 3 BRICKS

Problem: $55 - 4X - 5X = 73$
Answer: $X = -2$

Graffiti: 3 BRICKS

Problem: $2X + 4 = -4$
Answer: $X = -4$

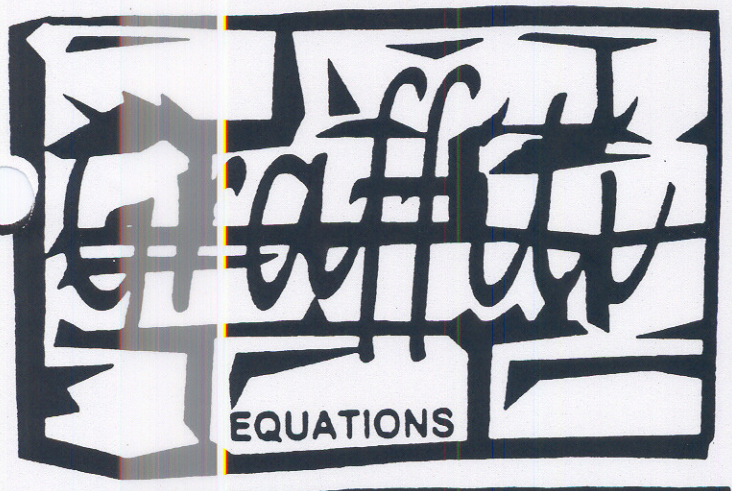
Graffiti: 1 BRICK

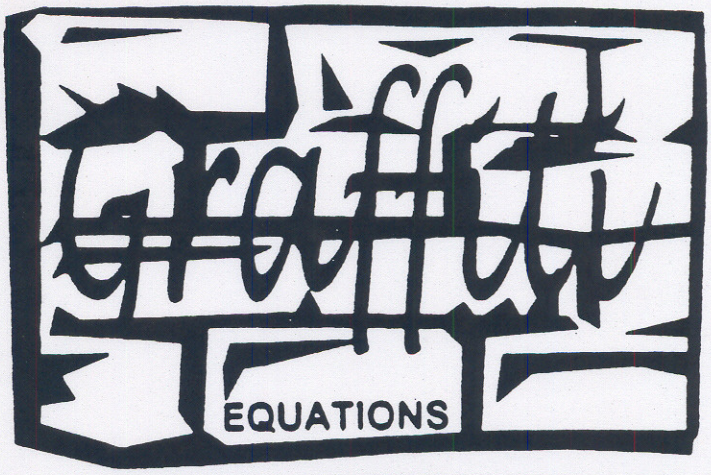
Problem: $2X + 4 - X = 8$
Answer: $X = 4$

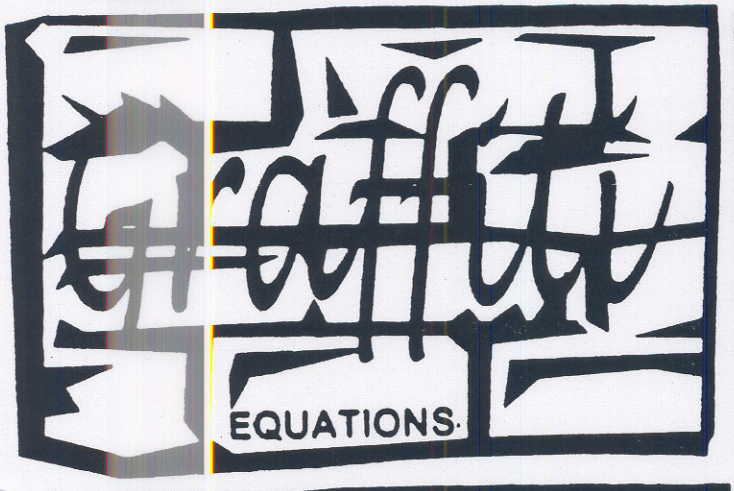
Graffiti: 1 BRICK

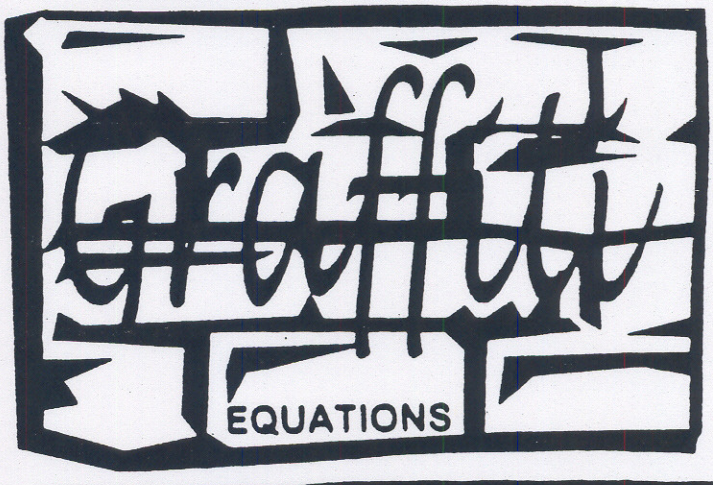
Problem: $X - 10 = -4$
Answer: $X = 6$

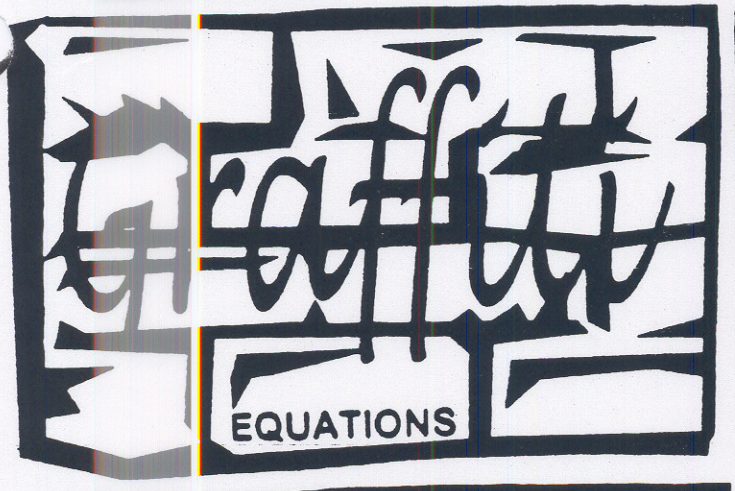
Graffiti: 1 BRICK

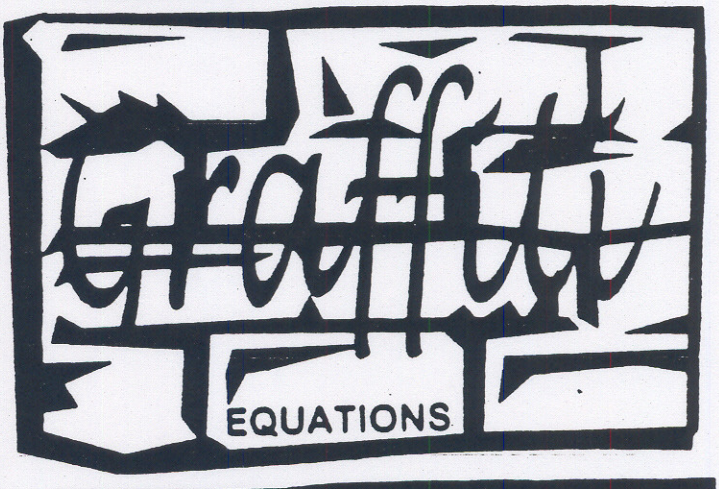


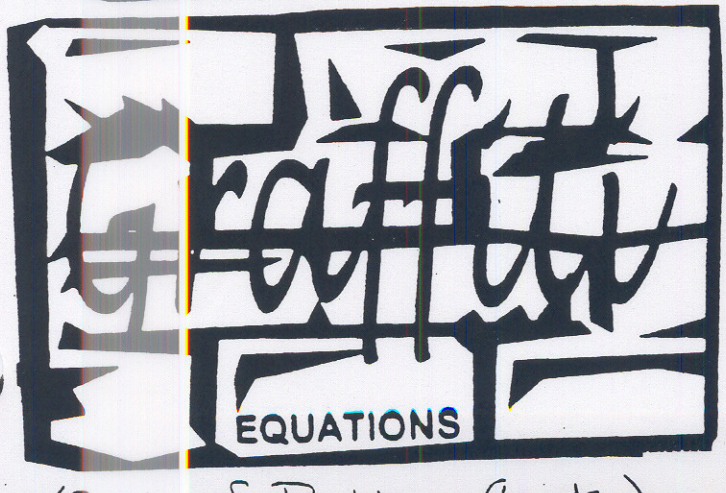


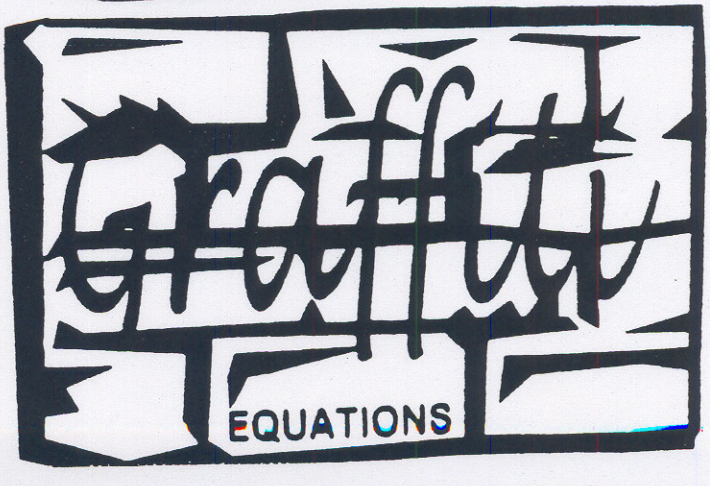












(Back of Problem Cards)

Graffiti EQUATIONS Gameboard