

STUDY LINK
9•5

Equivalent Equations



Each equation in Column 2 is equivalent to an equation in Column 1. Solve each equation in Column 1. Write *Any number* if all numbers are solutions of the equation.

Match each equation in Column 1 with an equivalent equation in Column 2. Write the letter label of the equation in Column 1 next to the equivalent equation in Column 2.

Column 1

A $4x - 2 = 6$

Solution _____

B $3s = -6$

Solution _____

C $3y - 2y = y$

Solution _____

D $5a = 7a$

Solution _____

Column 2

_____ $6j + 8 = 8 + 6j$

_____ $2c - 1 = 3$

_____ $6w = -12$

_____ $\frac{2h}{2h} = 1$

_____ $\frac{3q}{3} - 6 = -4$

_____ **A** $3(r + 4) = 18$

_____ $2(5x + 1) = 10x + 2$

_____ $-5x - 5(2 - x) = 2(x - 7)$

_____ $s = 0$

_____ $5b - 3 - 2b = 6b + 3$

_____ $\frac{t}{4} + 3 = 2\frac{1}{2}$

_____ $6z = 12$

_____ $2a = (4 + 7)a$

Practice

Write each product or quotient in exponential notation.

1. $2^2 * 2^3$ _____ **2.** $\frac{10^4}{10^2}$ _____ **3.** $5^2 * 5^2$ _____ **4.** $\frac{4^3}{4^2}$ _____