Worksheet: Solving Literal Equations

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**Instructions:** Solve each equation for the indicated variable.
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**1.** Solve for \(x\): \(2y + 3x = 10\)

**2.** Solve for \(y\): \(4x - 3y = 12\)

**3.** Solve for \(a\): \(2b - 3a = 5\)

**4.** Solve for \(b\): \(3a + 2b = 8\)

**5.** Solve for \(h\): \(A = \frac{1}{2}bh\)

**6.** Solve for \(r\): \(V = \frac{4}{3}\pi^3) \\
**7.** Solve for \(r\): \(d = rt\)

**8.** Solve for \(p\): \(A = p(1 + rt)\)

**9.** Solve for \(c\): \(F = \frac{9}{5}C + 32\)

**10.** Solve for \(C\): \(K = C + 273.15\)
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Remember: To solve a literal equation, isolate the indicated variable on one side of the equation using inverse operations. Treat letters as variables just like numbers.

Ensure that you perform the operations correctly when isolating the variable. Double-check your solutions by substituting them back into the original equations!