Name: _____ Algebra Daily Level 1

1. Solve

a) $64 = 8d$

b) $-44 = \frac{p}{-4}$

c) $\frac{e}{7} = -16$

d) $-6y = -72$

2. Substitute or "plug in" x = -15 into these equations to see if it checks

a) $7x = -105$

b) $1 = \frac{x}{-15}$

c) $\frac{x}{-3} = -5$

d) $-90 = -6x$

3. Solve – show all your steps

a) $3x - 2 = 7$

b) $-2x + 3 = -5$

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c) $4x + 1 = -3$

d) $12 = 5x + 2$

e) $23 = 5t + 3$

f) $3w + 20 = -7$

g) $-2f - 3 = 11$

h) $-10 = 2q - 12$

4. Solve each equation.

a) $-3 = \frac{n}{7} - 7$ **b)** $-4 + \frac{x}{11} = -1$ **c)** $2 + \frac{a}{-8} = 4$

5. Solve each equation by distribution.

a) $42 = 7(y + 4)$ **b)** $-4(c - 10) = 40$

c) $-1(r + 8) = 0$ **d)** $-18 = 6(j - 5)$

6. Show whether $x = 4$ is the solution to each equation.

a) $2(x + 7) = 22$

b) $24 = 8(x - 1)$

c) $-15 = -3(x - 9)$

d) $-5(x + 2) = -30$