

Algebra I
2 Step Equations

Solve each equation.

1) $8(4k + 1) - 2 = 40 - 2k$

2) $-(-7n + 7) = 23 + 2n$

3) $5(-4k + 1) = -6k - 37$

4) $-8v - 27 = -2v + 3(-5v + 3)$

5) $-\frac{1}{2}a - \frac{51}{49} = \frac{10}{7}\left(\frac{5}{7}a + \frac{7}{5}\right)$

6) $-\frac{1}{4} - \frac{4}{3}\left(-\frac{1}{2}b + \frac{7}{4}\right) = \frac{7}{20} - \frac{2}{5}b$

7) $-3(8n + 8) = -4n - 4(-7 + 6n)$

8) $6 - 6(-k + 3) = -4(3 - 8k)$

9) $-(-2 + 3n) = 5(4n + 5)$

10) $-8(-5 - 3r) = -52 + 24r$