

Multi-Step Equations

Answer Key

Solve each equation.

1) $10(-2b - 16) = 40$

$b = \underline{-10}$

2) $14 = \frac{-4q + 12}{3 - q}$

$q = \underline{3}$

3) $6(-6r + 4 + 7r) = -12$

$r = \underline{-6}$

4) $32(2a + 17) = 8(5 + a)$

$a = \underline{-9}$

5) $9v + 15 = 4v + 10$

$v = \underline{-1}$

6) $2(-5u + 7) = -11u$

$u = \underline{-14}$

7) $9(7 - m) + m = -33$

$m = \underline{12}$

8) $\frac{4}{2(z - 13)} = 1$

$z = \underline{15}$