Multi-Step Equations

Solve each equation.

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

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

$b =$ _____

$q =$ _____

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

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

$r =$ _____

$a =$ _____

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

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

$v =$ _____

$u =$ _____

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

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

$m =$ _____

$z =$ _____