Multi-Step Equations | Integers

Solve each equation.

1) $8p + 2 = 6(p - 3)$

$p =$ _____

2) $1 = \frac{8b + 14}{7b - 5}$

$b =$ _____

3) $\frac{9(-8u + 1)}{13} = 0$

$u =$ _____

4) $-(m - 12) = 3(9 - 5m) - 1$

$m =$ _____

5) $4a - 2 = -15 + 10a + 1$

$a =$ _____

6) $\frac{6(t - 6)}{5} = t$

$t =$ _____

7) $-3(-4s + 7) = 1 + 8s$

$s =$ _____

8) $6q - 11 - 5q = 6q + 4$

$q =$ _____

Multi-Step Equations | Integers

Answer key

Solve each equation.

1) $8p + 2 = 6(p - 3)$

$p =$ **–10**

2) $1 = \frac{8b + 14}{7b - 5}$

$b =$ **–19**

3) $\frac{9(-8u + 1)}{13} = 0$

$u =$ **$\frac{1}{8}$**

4) $-(m - 12) = 3(9 - 5m) - 1$

$m =$ **1**

5) $4a - 2 = -15 + 10a + 1$

$a =$ **2**

6) $\frac{6(t - 6)}{5} = t$

$t =$ **–36**

7) $-3(-4s + 7) = 1 + 8s$

$s =$ **5**

8) $6q - 11 - 5q = 6q + 4$

$q =$ **–3**