Multi-Step Equations: Integers

Solve each equation.

1) $3(x - 4) = 2(-2x + 1)$

2) $8q + 6 = 4q - 14$

3) $9 = \dfrac{v + 4}{v + 12}$

4) $7 - (5t - 13) = -25$

5) $-3(7p + 5) = 27$

6) $14 + 13y = 20y - 21$

7) $\dfrac{-8 - 3k}{2} = 11$

8) $-15b + 21 + 5b = -19$

Name : _____

Multi-Step Equations: Integers Level 1: S1

Solve each equation.

1) $3(x - 4) = 2(-2x + 1)$

2) $8q + 6 = 4q - 14$

x = 2

q = −5

3) $9 = \dfrac{v + 4}{v + 12}$

4) $7 - (5t - 13) = -25$

v = −13

t = 9

5) $-3(7p + 5) = 27$

6) $14 + 13y = 20y - 21$

p = −2

y = 5

7) $\dfrac{-8 - 3k}{2} = 11$

8) $-15b + 21 + 5b = -19$

k = −10

b = 4