Solve each equation.

1) $3x - 11 = 13$

$+11 \quad +11$

$\frac{3x}{3} = \frac{24}{3}$

$x = 8$

2) $7 = -9 + k$

$+9 \quad +9$

$16 = k$

3) $12 - 4y = -20$

$-12 \quad -12$

$\frac{-4y}{-4} = \frac{-32}{-4}$

$y = 8$

4) $\frac{7}{1} \cdot \frac{k}{7} = 6 \cdot 7$

$k = 42$

5) $8 - 5x = 4x - 19$

$+5x \quad +5x$

$8 = 9x - 19$

$+19 \quad +19$

$\frac{27}{9} = \frac{9x}{9}$

$3 = x$

6) $17 = 3k - 13$

$+13 \quad +13$

$\frac{30}{3} = \frac{3k}{3}$

$10 = k$

7) $\frac{4a}{4} = \frac{36}{4}$

$a = 9$

8) $-6 + 4r = -34$

$+6 \quad +6$

$\frac{4r}{4} = \frac{-28}{4}$

$r = -7$

9) $x + 40 = -17$

$-40 \quad -40$

$x = -57$

10) $6y - 14 = 8y + 10$

$-6y \quad -6y$

$-14 = 2y + 10$

$-10 \quad -10$

$\frac{-24}{2} = \frac{2y}{2}$

$-12 = y$

11) $x - 16 = 11$

$+16 \quad +16$

$x = 27$

12) $43 - 5x = 53$

$-43 \quad -43$

$\frac{-5x}{-5} = \frac{10}{-5}$

$x = -2$

13) $8 \cdot 9 = \frac{a}{8} \cdot \frac{8}{1}$

$72 = a$

14) $7y + 9 = -8y - 21$

$+8y \quad +8y$

$15y + 9 = -21$

$-9 \quad -9$

$\frac{15y}{15} = \frac{-30}{15}$

$y = -2$

15) $6 - 8a = -5a + 30$

$+8a \quad +8a$

$6 = 3a + 30$

$-30 \quad -30$

$\frac{-24}{3} = \frac{3a}{3}$

$-8 = a$