

**Equations Worksheet 12**

Solve each equation. Remember to show your work.

**1.**  $8u = 3u + 35$

**2.**  $7y = 33 - 4y$

**3.**  $2x + 48 = 10x$

**4.**  $5t - 26 = 18t$

**5.**  $k = 8k + 28$

**6.**  $-30n = -27n - 63$

**7.**  $4x + 4 = 2x + 36$

**8.**  $9y - 1 = y - 25$

**9.**  $14p - 8 = 22 + 20p$

**10.**  $z + 81 = 9z - 7$

**11.**  $39 - 12w = 7 - 16w$

**12.**  $-15v - 40 = 23 - 8v$

**13.**  $63 - x = 2x + 3$

**14.**  $3n + 46 = 1 + 8n$

**15.**  $12r - 18 = 13r + 18$

**16.**  $2x + 10 = 5x - 14$

**17.**  $-6 + 4x = 5x$

**18.**  $4x - 6 = 2x$

**19.**  $3y - 4 = 2y - 5$

**20.**  $5y + 7 = 3y - 15$

**21.**  $-2x + 5 = 3x - 10$

**22.**  $4A + 20 - A = A + 12$

**23.**  $3x + 13 = x + 9$

**24.**  $2x + 4 = 6x - 8$

**25.**  $8x = 6x - 4$

**26.**  $6x - 2 = 4x$

**27.**  $12 + 5x = 12 - 5x$

**28.**  $15 - 8x = 8 - x$

**29.**  $3x + 5 = 2x - 9$

**30.**  $4x - 8 = 6x + 8$