

# SOLVING EQUATIONS: VARIABLES ON BOTH SIDES

NAME \_\_\_\_\_

SOLVE THE FOLLOWING FOR X. SHOW ALL WORK!

1.)  $4x + 27 = 3x$

3.)  $6s - 11 = -2s + 5$

5.)  $-12q + 4 = 8q - 6$

7.)  $5 - 4x = 6x - 25$

7.)  $12(1 - a) = -5a - 9$

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2.)  $12y + 21 = 9y$

4.)  $12p - 7 = -3p + 8$

6.)  $8 - 9t = 21t - 17$

8.)  $17x + 9 = 9x - 27$

8.)  $5x + 24 = 5(x - 5)$