

Name Key

Date _____

Mrs. Roubos

8R Period _____

Homework # 25b

Solve the following for x:

| | |
|---|--|
| <p>1) $x - 5 = 11$ $+5 \quad +5$ \hline $x = 16$</p> | <p>2) $12 = x + 36$ $-36 \quad -36$ \hline $-24 = x$ or $x = -24$</p> |
| <p>3) $7x - 4 = 10$ $+4 \quad +4$ \hline $7x = 14$ $\frac{7x}{7} = \frac{14}{7}$ $x = 2$</p> | <p>4) $12 + 2x = 16$ $-12 \quad -12$ \hline $2x = 4$ $\frac{2x}{2} = \frac{4}{2}$ $x = 2$</p> |
| <p>5) $2x + 4 + 2x = 24$ $4x + 4 = 24$ $-4 \quad -4$ \hline $4x = 20$ $\frac{4x}{4} = \frac{20}{4}$ $x = 5$</p> | <p>6) $48 = (3x + x) + 8$ $48 = 4x + 8$ $-8 \quad -8$ \hline $40 = 4x$ $\frac{40}{4} = \frac{4x}{4}$ $10 = x$ $x = 10$</p> |
| <p>7) $3x - 9 = 19 - 4x$ $+4x \quad +4x$ \hline $7x - 9 = 19$ $+9 \quad +9$ \hline $7x = 28$ $\frac{7x}{7} = \frac{28}{7}$ $x = 4$</p> | <p>8) $11x - 3 = 8x + 9$ $-8x \quad -8x$ \hline $3x - 3 = 9$ $+3 \quad +3$ \hline $3x = 12$ $\frac{3x}{3} = \frac{12}{3}$ $x = 4$</p> |