

LINEAR EQUATIONS

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$$\begin{aligned}1) \quad 3x - 7 &= 20 \\3x &= 20 + 7 \\3x &= 27 \\x &= \frac{27}{3} \\x &= 9\end{aligned}$$

$$\begin{aligned}4) \quad 4x + 20 &= 6 - 3x \\4x + 3x &= 6 - 20 \\7x &= -14 \\x &= \frac{-14}{7} \\x &= -2\end{aligned}$$

$$\begin{aligned}2) \quad 5x + 23 &= 8 \\5x &= 8 - 23 \\5x &= -15 \\x &= \frac{-15}{5} \\x &= -3\end{aligned}$$

$$\begin{aligned}5) \quad 3(x - 7) &= 9 \\3x - 21 &= 9 \\3x &= 9 + 21 \\3x &= 30 \\x &= \frac{30}{3} \\x &= 10\end{aligned}$$

$$\begin{aligned}3) \quad 5x - 7 &= 3x + 11 \\5x - 3x &= 11 + 7 \\2x &= 18 \\x &= \frac{18}{2} \\x &= 9\end{aligned}$$

$$\begin{aligned}6) \quad 4(2x + 8) &= 8 \\8x + 32 &= 8 \\8x &= 8 - 32 \\8x &= -24 \\x &= \frac{-24}{8} \\x &= -3\end{aligned}$$