α. $2x - 4 = 0 \Rightarrow 2x = 4 \Rightarrow \frac{2x}{2} = \frac{4}{2} \Rightarrow x = 2.$

β. $12 - 4x = 0 \Rightarrow -4x = -12 \Rightarrow \frac{-4x}{-4} = \frac{-12}{-4} \Rightarrow x = 3.$

γ. $3x + 4 = x - 8 \Rightarrow 3x - x = -4 - 8 \Rightarrow 2x = -12 \Rightarrow \frac{2x}{2} = \frac{-12}{2} \Rightarrow x = -6.$

δ. $5x - 7 = 2x + 5 \Rightarrow 5x - 2x = 5 + 7 \Rightarrow 3x = 12 \Rightarrow \frac{3x}{3} = \frac{12}{3} \Rightarrow x = 4.$