

2.

$$\begin{array}{rcl}
 \text{A. } 15x - 2 & = & 12x + 9 \\
 \downarrow +2 & & \downarrow +2 \\
 15x & = & 12x + 11 \\
 \downarrow -12x & & \downarrow -12x \\
 3x & = & 11 \\
 \downarrow \div 3 & & \downarrow \div 3
 \end{array}$$

$$x = 3.66$$

B.

$$\begin{array}{rcl}
 3(7x - 1) & = & 6(x + 3) \\
 \downarrow \times 3 & & \downarrow \times 6 \\
 21x - 3 & = & 6x + 18 \\
 \downarrow +3 & & \downarrow +3 \\
 21x & = & 6x + 21 \\
 \downarrow -6x & & \downarrow -6x \\
 15x & = & 21 \\
 \downarrow \div 15 & & \downarrow \div 15
 \end{array}$$

$$x = 1.4$$

$$\begin{array}{rcl}
 \text{C. } \frac{5x+3}{4} & = & \frac{2x-1}{9} \\
 \downarrow \times 9 & & \downarrow \times 4
 \end{array}$$

$$\begin{array}{rcl}
 45x + 27 & = & 8x - 4 \\
 \downarrow -27 & & \downarrow -27
 \end{array}$$

$$\begin{array}{rcl}
 45x & = & 8x - 23 \\
 \downarrow -8x & & \downarrow -8x
 \end{array}$$

$$\begin{array}{rcl}
 37x & = & -23 \\
 \downarrow \div 37 & & \downarrow \div 37
 \end{array}$$

$$x = 0.62$$