

$$1. a) \frac{3}{8} : \frac{7}{12} + 3\frac{1}{7} \cdot \frac{3}{11} = \frac{3}{8} \cdot \frac{12}{7} + \frac{21+1}{7} \cdot \frac{3}{11} = \frac{3 \cdot 4 \cdot 3}{8 \cdot 7} + \frac{22 \cdot 3}{7 \cdot 11} = \frac{9}{14} + \frac{6}{7} = \frac{9}{14} + \frac{12}{14} = \frac{21}{14} = \frac{3}{2} = 1,5$$

$$b) 4 - (-1\frac{2}{3} - \frac{1}{15}) : 3,2 = 4 - (-\frac{3+2}{3} - \frac{1}{15}) : 3\frac{2}{10} =$$

$$= 4 - (-\frac{5}{3} - \frac{1}{15}) : 3\frac{1}{5} = 4 - (-\frac{25}{15} - \frac{1}{15}) : \frac{16}{5} =$$

$$= 4 - (-\frac{25+1}{15}) \cdot \frac{5}{16} = 4 + \frac{26}{15} \cdot \frac{5}{16} = 4 + \frac{26}{3 \cdot 16} = 4 + \frac{13}{24} =$$

$$= 4\frac{13}{24}$$

$$2. a) 8x - 9 = 3x + 16$$

$$8x - 9 - 3x = 16$$

$$5x - 9 = 16$$

$$5x = 16 + 9$$

$$5x = 25$$

$$x = 25 : 5$$

$$x = 5$$

$$\text{Ответ: } x = 5.$$

$$b) -4,8x + 8 = 1,6x - 11,2$$

$$-4,8x + 8 - 1,6x = -11,2$$

$$-6,4x = -11,2 - 8$$

$$-6,4x = -19,2$$

$$x = -19,2 : (-6,4)$$

$$x = 19,2 : 6,4$$

$$x = 192 : 64$$

$$x = 3.$$

$$\text{Ответ: } x = 3$$