

#3.

$$a) \quad \frac{x}{5} + 6^{-6} = 10^{-6}$$

$$\frac{x}{5} = 4$$

$$x = 5 \times 4$$

$$x = 20$$

$$c) \quad \frac{1}{3}(x+4) = 7$$

$$\cancel{3} \times \frac{1}{\cancel{3}}(x+4) = 7 \times 3$$

$$x+4 = 21$$

$$x = 17$$

$$b) \quad -1.5x + 2 = -1^{-2}$$

$$-1.5x = -3$$

$$\frac{-1.5x}{-1.5} = \frac{-3}{-1.5}$$

$$x = 2$$

$$d) \quad 6(x-2) = 3x$$

$$6x - 12^{+12} = 3x^{+12}$$

$$6x^{-3x} = 3x^{-3x} + 12$$

$$3x = 12$$

$$\frac{3x}{3} = \frac{12}{3}$$

$$x = 4$$