1.) If twice a number minus 15 is equal to seven times that number, what is the value of the number?

$$2x - 15 = 7x$$
$$-2x \qquad -2x$$
$$\overline{\qquad\qquad\qquad}$$
$$-15 = 5x$$
$$x = -3$$

2.) Arno must write x pages to successfully complete his paper on the French Revolution. If $2x + 17 = 39$, then what is the value of x?

$$-17 \quad -17$$
$$\overline{\qquad\qquad}$$
$$2x = 22$$
$$x = 11$$

A) 11

B) 17

C) 22

D) 28

3.) If $\frac{3(z+3)}{4} - \frac{2(z-2)}{3} = 2$, what is the value of z?

(A) -19

B) 13

C) 19

D) 41

$$12\left(\frac{3z+9}{4} - \frac{2z-4}{3}\right) = (2)12$$

$$9z + 27 - 8z + 16 = 24$$

$$z + 43 = 24$$

$$z = -19$$