

$$23) 1.67 \times 10^{-2} \text{ sec}$$

(A)

$$24) (x+1)(x+4)(x-3)$$

$$(x^2 + x + 4x + 4)(x-3)$$

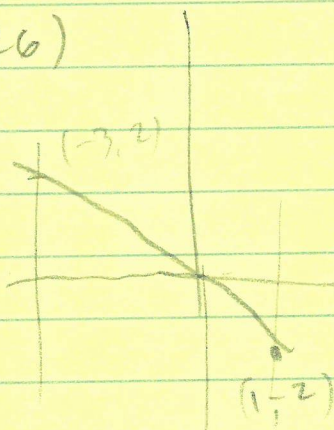
$$x^3 + x^2 + 4x^2 + 4x - 3x^2 - 3x - 12x - 12$$

$$x^3 + 2x^2 - 11x - 12$$

(D)

$$25) 4.1 \text{ kg} \quad (D)$$

26)



$$m = \frac{y_1 - y_2}{x_1 - x_2}$$

$$m = \frac{2 - (-2)}{-3 - 1} = \frac{4}{-4}$$

$$m = -1$$

(C)

$$27) 3x^2 = 1 + 7x$$

$$3x^2 - 7x - 1 = 0$$

$$a = 3$$

$$b = -7$$

$$c = -1$$

(D)

$$28) R_3 = \frac{R_1 + R_2}{2}$$

$$2R_3 = R_1 + R_2$$

$$R_2 = 2R_3 - R_1$$

(B)

$$29) -3(2)^2 = -12 \quad (C)$$

$$30) 2^0 = 1 \quad (B)$$

$$31) -1.4524 \quad (C)$$

$$32) \log a - 3 \log b$$

$$\log (a - b^3)$$

(B)

I THINK