

Subject \_\_\_\_\_

موضوع الدرس

Date: / /

الموافق

التاريخ / /

$$\text{ex } x^2(y-z)z_x + y^2(z-x)z_y - z^2(x-y)z_z = 0$$

$$x^2(y-z)z'_x + y^2(z-x)z'_y = z^2(x-y)z'_z$$

$$\frac{dx}{x^2(y-z)} = \frac{dy}{y^2(z-x)} = \frac{dz}{z^2(x-y)}$$

$$\frac{dx/x^2}{y-z} = \frac{dy/y^2}{z-x} = \frac{dz/z^2}{x-y}$$

$$y z + z - x + x - y = 0 \quad \text{المقام = صفر}$$

$$\int \frac{dx}{x^2} + \int \frac{dy}{y^2} + \int \frac{dz}{z^2} = 0 \quad \text{تساوي النسب بالفرق ونحذفهم}$$

$$\int x^{-2} dx + \int y^{-2} dy + \int z^{-2} dz = 0$$

$$\frac{x^{-1}}{-1} + \frac{y^{-1}}{-1} + \frac{z^{-1}}{-1} = C_1 = u$$

$$\text{take } \frac{dx/x}{x(y-z)} = \frac{dy/y}{y(z-x)} = \frac{dz/z}{z(x-y)}$$

$$xy - xz + yz = yx + zx - zy = 0$$

$$\int \frac{dx}{x} + \int \frac{dy}{y} + \int \frac{dz}{z} = 0$$

$$\ln|x| + \ln|y| + \ln|z| = v$$

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$$\frac{dx}{x} + \frac{y-z}{y} \frac{dy}{y-z} + \frac{z-x}{z} \frac{dz}{z-x} = \frac{y-x}{xy}$$

اول مرة سؤال العاقل بهما المتطابقة في وعاء (عنايتهم مقار)   
 عاقل نتج من المقار ونضرب (1) حاداة كل ب xyz

$$x(y-z) \frac{dz}{z} + y(z-x) \frac{dy}{y} = z(x-y)$$

$$\frac{dx}{x(y-z)} = \frac{dy}{y(z-x)} = \frac{dz}{z(x-y)}$$

$$xy - xz + yz + yx + zx + yz = 0$$

$$\int dx + \int dy + \int dz = 0$$

$$x + y + z = C_1 = u$$

take  $\frac{dx/x}{y-z} = \frac{dy/y}{z-x} = \frac{dz/z}{x-y}$

$$y-z + z-x + x-y = 0$$

$$\int \frac{dx}{x} + \int \frac{dy}{y} + \int \frac{dz}{z} = 0$$

$$\ln|x| + \ln|y| + \ln|z| = C_2 = v$$

$$\phi(u, v) = 0$$

