

Find inverse/transpose, if any
 (40 points)

$$M = \begin{pmatrix} 1 & 2 \\ 3 & 4 \end{pmatrix}$$

Answer Only Matrix

Inverse of the following transposes and calculate (if) or transcribe (if) 1 point each

I is not

I is not

I is not

I is not

I is not

I is not

I is not

I is not

I is not

With the following set of equations for the following

20. $3x^2 + 2y^2 + 4z^2 = 12$ (1 pt)

$$3x^2 + 2y^2 + 4z^2 = 12 \rightarrow 3x^2 + 2y^2 + 4z^2 = 12$$

$$\frac{3x^2}{12} + \frac{2y^2}{12} + \frac{4z^2}{12} = \frac{12}{12}$$

21. $5x^2 + 3y^2 + 2z^2 = 10$ (1 pt)

$$5x^2 + 3y^2 + 2z^2 = 10 \rightarrow 5x^2 + 3y^2 + 2z^2 = 10$$

$$5x^2 + 3y^2 + 2z^2 = 10 \rightarrow 5x^2 + 3y^2 + 2z^2 = 10$$

$$\frac{5x^2}{10} + \frac{3y^2}{10} + \frac{2z^2}{10} = \frac{10}{10}$$

22. $4x^2 + 9y^2 + 16z^2 = 36$ (1 pt)

$$4x^2 + 9y^2 + 16z^2 = 36 \rightarrow 4x^2 + 9y^2 + 16z^2 = 36$$

$$\frac{4x^2}{36} + \frac{9y^2}{36} + \frac{16z^2}{36} = \frac{36}{36}$$