① $\begin{bmatrix} 13 \\ -8 \\ 33 \end{bmatrix}$

② $\begin{bmatrix} 6 & -8 & 9 \\ 7 & 2 & -16 \end{bmatrix}$

③ not possible

④ $\begin{bmatrix} 19 & -24 \\ -7 & 22 \end{bmatrix}$

(5) $\begin{bmatrix} 11 & 76 & -19 \\ -14 & -56 & 14 \end{bmatrix}$

(6) not possible

(7) 21

(8) -57

(9) not possible
2 x 3

(10) -6

(11)
$$\begin{bmatrix} -\frac{1}{17} & \frac{5}{17} \\ \frac{3}{17} & \frac{2}{17} \end{bmatrix}$$

(12) does not exist

(13)
$$\begin{bmatrix} \frac{1}{9} & \frac{2}{27} \\ -\frac{2}{9} & \frac{5}{27} \end{bmatrix}$$

(14) not possible
2×1

(15) $(-11, 3)$

(16) $(-2, 3)$

(17) $(2, 6, 1)$

(18) $(-7, \frac{1}{2})$

(19) $(3, -1, 4)$

(23)

$$\text{Area} = \frac{1}{2}\begin{vmatrix} 6 & 3 & 1 \\ 1 & 5 & 1 \\ -1 & 4 & 1 \end{vmatrix}$$

$$= 4.5\ u^2$$

(24) $A'(8,-1)$

$C'(1,0)$

(25) $A'(30,15)$

$B'(5,25)$

$C'(-5,20)$