

$$23. \Rightarrow 123^\circ + 85^\circ + 5x^\circ + x^\circ + 80^\circ = 360^\circ$$

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$$\Rightarrow 288^\circ + 6x^\circ = 360^\circ$$

$$\Rightarrow 6x = 360 - 288 = 72^\circ$$

$$\Rightarrow x = \frac{72}{6} = 12^\circ$$

$$24. X:Y = 1:2 \text{ \& } Z = 90^\circ$$

$$X = P \quad Y = 2P$$

$$X + Y + Z = 180^\circ$$

$$\Rightarrow P + 2P + 90^\circ = 180^\circ$$

$$\Rightarrow 3P + 90^\circ = 180^\circ$$

$$\Rightarrow 3P = 180^\circ - 90^\circ = 90^\circ$$

$$\Rightarrow P = \frac{90^\circ}{3} = 30^\circ$$

$$25. Y = 45^\circ, Z = 90^\circ$$

$$\Rightarrow X + Y + Z = 180^\circ$$

$$\Rightarrow 90 + 45 = 180^\circ$$

$$\Rightarrow 135 + X = 180^\circ$$

$$\Rightarrow X = 180^\circ - 135^\circ = 45^\circ$$

$$\Rightarrow X = 3a, Y = 5x \text{ and } Z = 6x$$