

$$\begin{aligned} 6 \text{ (i)} \quad & 2 \times 10^3 \\ & = 2 \times 1000 \\ & = 2000 \end{aligned}$$

$$\begin{aligned} 6 \text{ (vii)} \quad & 2^4 \times 3^2 \\ & = 16 \times 9 \\ & = 144 \end{aligned}$$

$$\begin{aligned} \text{(ii)} \quad & 7^2 \times 2^2 \\ & = 49 \times 4 \\ & = 196 \end{aligned}$$

$$\begin{aligned} 6 \text{ (viii)} \quad & 3^2 \times 10^4 \\ & = 9 \times 10000 \\ & = 90000 \end{aligned}$$

$$\begin{aligned} \text{(iii)} \quad & 2^3 \times 5 \\ & = 8 \times 5 \\ & = 40 \end{aligned}$$

$$\begin{aligned} 7 \text{ (i)} \quad & (-4)^3 \\ & = -64 \end{aligned}$$

$$\begin{aligned} \text{(iv)} \quad & 3 \times 4^4 \\ & = 3 \times 256 \\ & = 768 \end{aligned}$$

$$\begin{aligned} 7 \text{ (ii)} \quad & -3 \times (-2)^3 \\ & = -3 \times -8 \\ & = 24 \end{aligned}$$

$$\begin{aligned} \text{(v)} \quad & 0 \times 10^2 \\ & = 0 \end{aligned}$$

$$\begin{aligned} 7 \text{ (iii)} \quad & 2^3 \times 5 \\ & = 8 \times 5 \\ & = 40 \end{aligned}$$

$$\begin{aligned} \text{(vi)} \quad & 5^2 \times 3^3 \\ & = 25 \times 27 \\ & = 675 \end{aligned}$$

$$\begin{aligned} 7 \text{ (iv)} \quad & (-2)^3 \times (-10)^3 \\ & = -8 \times -1000 \\ & = 8000 \end{aligned}$$