.1)

Expanded Sum

Rewrite each series as an expanded sum.

$$1) \qquad \sum_{r=4}^{7} \left(\frac{r^2+1}{3} \right)$$

2)
$$\sum_{b=1}^{6} (4^{b} - 3)$$

3)
$$\sum_{y=5}^{9} (9y^2 - 7)^{-3}$$

3) $\sum_{y=5}^{9} (9y^2 - 7)$ **PREVIEW**

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 $5) \qquad \sum_{z=3}^{8} (3! \cdot z)$

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$$7) \qquad \sum_{x=1}^{4} \frac{x^3 \sqrt{2}}{5}$$

$$8) \qquad \sum_{h=0}^{3} \left(\frac{10-h}{2!} \right)$$