

Answers for Friday 10th, 04, 2020. (MK P.7 MTC)

$$\begin{aligned}
 1 \quad & 4a^2 - bc \\
 & = 4 \times a \times a - b \times c \\
 & \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow \\
 & \quad 4 \times 3 \times 3 - 2 \times 1 \\
 & = 4 \times 9 - 2 \\
 & = 36 - 2 \\
 & = 34.
 \end{aligned}$$

$$\begin{aligned}
 2 \quad & 2ab = 2 \times a \times b \\
 & = 2 \times 4 \times 2 \\
 & = 8 \times 2 \\
 & = 16
 \end{aligned}$$

$$\begin{aligned}
 3 \quad & b^5 = 6^5 \quad \textcircled{4} \\
 & = 6 \times 6 \times 6 \times 6 \times 6 \\
 & = (36 \times 36) \times 6 \\
 & = 1296 \times 6 \\
 & = 7776 \\
 & \therefore b^5 = 7776
 \end{aligned}$$

$$\begin{aligned}
 & \frac{c^2 \times b^2}{4} \\
 & = \frac{4^2 \times 2^2}{4} \\
 & = \frac{4 \times 4 \times 2 \times 2}{4} \\
 & = 1 \times 4 \times 2 \times 2 \\
 & = 4 \times 4 \\
 & = 16
 \end{aligned}$$

5

$$2a^2 - bc$$

$$2 \times 5^2 - 4 \times 7$$

$$(2 \times 5) \times 5 - 4 \times 7$$

$$10 \times 5 - 28$$

$$50 - 28$$

$$22$$

6

$$5p^3 = 5 \times p \times p \times p$$

$$= 5 \times 6 \times (6 \times 6)$$

$$= (5 \times 6) \times 36$$

$$= 30 \times 36$$

$$= 1080$$