Calculus ex01	$10,  \mathrm{Apr},  2019$
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	ith a 4 may have zero, one or more right answers.
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Question 1	Evaluate 6 <sup>4</sup> .
U	7776 $\bigcirc$ 1297 $\bigcirc$ 1295 $\bigcirc$ 216 $\blacksquare$ 1296
Question 2	Evaluate $3^{-1}$ .
	$\bigcirc  \sqrt{3} \qquad \qquad \blacksquare  \frac{1}{3} \qquad \qquad \bigcirc  -4 \qquad \qquad \bigcirc  -3 \qquad \qquad \bigcirc  \frac{1}{4}$
Question 3	Evaluate $8^{\frac{1}{2}}$ .
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Question 4 ♣	Evaluate $\left(\frac{1}{5}\right)^{-2}$ .
•	$\left(\frac{1}{5^2}\right)^{-1}$ $\bigcirc$ $5^2$ $\bigcirc$ $\left(5^2\right)^{-1}$ $\bigcirc$ $\sqrt[2]{5}$ $\bigcirc$ $\frac{1}{5^2}$ $\bigcirc$ None of these answers are correct.
Question 5	Evaluate $2^9 \times 2^7$ .
<b>Question</b> 6	$\bigcirc \ \ 2^3 \qquad \bigcirc \ \ 2^{16} \qquad \bigcirc \ \ 2^{63} \qquad \bigcirc \ \ 2^{62} \qquad \bigcirc \ \ 2^{17}$
Question 6	Solve the equation $\log_x 36 = 2$ .
	$\bigcirc 12 \qquad \bigcirc 8 \qquad \bigcirc 2 \qquad \blacksquare 6 \qquad \bigcirc 3$
Question 7	Solve the equation $\log_6 x = 3$ .
	$\bigcirc  5^3 \qquad \qquad \blacksquare  6^3 \qquad \qquad \bigcirc  6^4 \qquad \qquad \bigcirc  5^4 \qquad \qquad \bigcirc  6^2$
Question 8	Solve the equation $\log_2(3-x) = 4\log_{16}(x+1)$ .
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