Quick Questions

Many teachers have quick answers to the following questions.

Please provide quick answers and one-sentence explanations, when requested. Answer off the top of your head, **without a calculator**, and spend **no more than 40 minutes** on these.

Question 1 Evaluate $-x^2$ when x = 9.

Question 2 Evaluate x^{-2} when x = 9.

Question 3 Evaluate $x^{1/2}$ when x = 9.

Question 4 Evaluate $\frac{2}{0}$ and explain your answer.

Question 5 Evaluate $\frac{0}{0}$ and explain your answer.

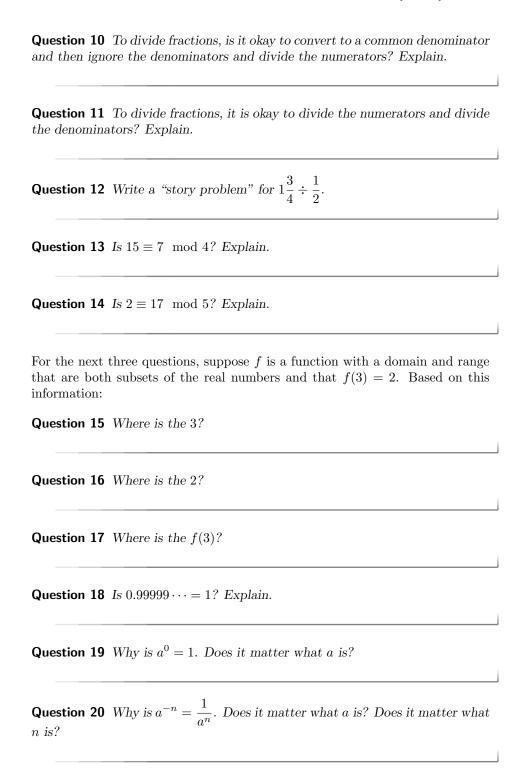
Question 6 Evaluate $\frac{0}{2}$ and explain your answer.

Question 7 Is 0 even, odd, neither, or both? Explain.

Question 8 Give another explanation for the previous question.

Question 9 Is $\sqrt{4} = \pm 2$? Explain.

Learning outcomes:



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Question 2	1 What does it mean for a number to be irrational?
Question 2	2 How long did you spend on these questions?