

Simplify the following radicals:

(a)  $\sqrt{49} = 7$

Handwritten work for problem (a): A box contains two 7s, with an arrow pointing from the box to the radical symbol of  $\sqrt{49}$ . Below this, the expression  $\sqrt{7^2}$  is written and crossed out with a large X. The final result is  $= 7$ , with the 7 circled.

(b)  $\sqrt{68} = 2\sqrt{17}$

Handwritten work for problem (b): A box contains a circled 2 and a circled 17, with an arrow pointing from the box to the radical symbol of  $\sqrt{68}$ . Below this, the expression  $\sqrt{2^2 \cdot 17}$  is written and crossed out with a large X. The final result is  $= 2\sqrt{17}$ , which is circled.