Fill in each with the number that makes each statement true.



**Note:** The numbers under each radical  $\sqrt{}$  are said to be *perfect squares*.

Given the following:



What would the next four lines of this pattern look like? Write them fully.

Given the following:



What would the next four lines of this pattern look like? Write them fully.

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What would the next four lines of this pattern look like? Write them fully.

For the following exercises, fill in each  $\circ$  to make each statement true.



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As a group, watch this 1:05 silent video very carefully. In this video, we write  $\sqrt{360}$  in simple radical form in two different ways.

Write each expression here in simple radical form.

 $\sqrt{40}$   $\sqrt{45}$   $\sqrt{80}$ 



Write each expression here in simple radical form.



 $\sqrt{324}$ 

In tasks 8-9, you were writing expressions in *simple radical form*.

a) Write the following expressions on your vertical surface. Then circle all the ones that are written in simple radical form.



a) Using the term *perfect square* somewhere in your explanation, what does it mean for an expression to be written in simple radical form?

b) How can you tell if an expression is written in simple radical form?