1.	What are some of the features of component containment? Select all that apply.	1 / 1 ponto
	A component that acts as a generic box.	
	© Correto Correct, like a Dialog or Alert.	
	A special case of other components.	
	The fact that some components don't know their children ahead of time.	
	© Correto Correct, they leverage the children prop.	
	A component that uses the children prop to pass children elements directly as their content.	
	© Correto Correct, all the content of the generic box is provided via the children prop.	
2.	What are the props that all components have by default? Select all that apply.	1 / 1 ponto
	<pre> children </pre>	
	O type	
	○ Correto	
	Correct, all components have an implicit children prop.	
3.	What is a React Element? Select all that apply.	1 / 1 ponto
	☐ A React Component that represents a simple DOM node, like a button.	
	An intermediary representation that describes a component instance.	
	© Correto Correct, JSX gets transformed into that intermediary representation that is a descriptive object.	
	A JavaScript object that represents the final HTML output.	
4	Assuming you have the below component, what are all the features implemented from component composition with children?	1/1 nonto
·**.	function ConfirmationDialog() { return (Obialog color="blue") (h1 className="Dialog-title") Thanks! (p className="Dialog-message") We'll process your order in less than 24 hours. (/p) (/pialog) 11);	1/1 ponto
	Component specialization and component containment.	
	Component containment.	
	Component specialization.	

Correct, ConfirmationDialog is a special case of Dialog and the Dialog is an example of a generic box (containment) that uses children to lay out the content.

5. What are some of the use cases that the React.cloneElement API allows you to achieve? Select all that apply.

1 / 1 ponto

- Modify children's properties.
- **⊘** Correto

That's correct. The React.cloneElement API allows you to modify children's properties.

- Add to children properties.

That's correct. The React.cloneElement API allows you to add to children's properties.

- Extend the functionality of children components.
- ✓ Correto

That's correct. The React.cloneElement API allows you to extend the functionality of children components.

6. Assuming you have the following Row component that uses React.Children.map to perform some dynamic transformation in each child element, in order to add some custom styles, what's wrong about its implementation? Select all that apply.

1 / 1 ponto

```
const Row = ({ children, spacing }) => {
  const childStyle = {
        marginLeft: \five {spacing}px\,
      return(
<div className="Row">
        {React.Children.map(children, (child, index) => {
          child.props.style = {
        10
11
12
13
14
            return child;
          })}
15
16
        </div>
17
      );
```

- O Each child is missing a key, causing potential problems if the list order changes.
- O You can't use the spread operator in the style prop.
- Each child is being mutated.
- **⊘** Correto

Correct, props are being mutated and that is a React breaking rule. You should use React.cloneElement to create a copy of the elements first.

7. Assuming you have the following set of components, what would be logged into the console when clicking the Submit button that gets rendered on the screen?

1 / 1 ponto

	\(\text{\text{``WithClick''}} \)	
	<pre>"ButtonClick"</pre>	
	Correto Correct, due to the order of the spread operator in the different components, the original onClick prop passed to MyButton takes precedence.	
8.	Among the below options, what are valid solutions to encapsulate cross-cutting concerns? Select all that apply	0.75 / 1 ponto
	Custom hooks.	
	Render props pattern.	
	Correct, that's one possible abstraction.	
	Components that consume context.	
	✓ Higher order components.	
	Você não selecionou todas as respostas corretas	
9.	What does the screen utility object from react-testing-library represent when performing queries against it?	1 / 1 ponto
	○ The whole virtual DOM	
	O Your laptop screen	
	The whole page or root document	
	 Correto That's correct, the screen utility object from react-testing-library represents the root document when performing queries against it. 	
10	. When writing tests with Jest and react-testing-library, what matcher would you have to use to assert that a button is disabled?	1 / 1 ponto
	O toBeInTheDocument	
	○ toHaveBeenCalled	
	(toHaveAttribute	
	© Correto That's correct, When writing tests with Jest and react-testing-library, you would use toHaveAttribute to assert that a button is disabled.	