

Incorrect. First rewrite each radical using  $\sqrt{ab} = \sqrt{a} \cdot \sqrt{b}$ :

$$5\sqrt{90} + \sqrt{40} + \sqrt{10} = 5\sqrt{9 \cdot 10} + \sqrt{4 \cdot 10} + \sqrt{10} =$$
$$5 \cdot \sqrt{9} \cdot \sqrt{10} + \sqrt{4} \cdot \sqrt{10} + \sqrt{10}$$

Simplify each term. This will give you three like terms that can be added. The correct answer is 18.