

NAME: _____

Add/Sub. Radicals Day 1

①

$$-2\sqrt{10} - 3\sqrt{6} - 2\sqrt{10}$$

②

$$2\sqrt{7} + 5\sqrt{3} + 4\sqrt{7}$$

③

$$-3\sqrt{50} + \sqrt{18} - 3\sqrt{3}$$

④

$$2\sqrt{8} + 4\sqrt{96} - \sqrt{24}$$

⑤

$$-5\sqrt{8} + 2\sqrt{45} + 3\sqrt{200}$$

⑥

$$10\sqrt{6} + 18\sqrt{150} - 4\sqrt{54}$$

⑦

$$-\sqrt{5} + 3\sqrt{7} - \sqrt{5} - 2\sqrt{5}$$

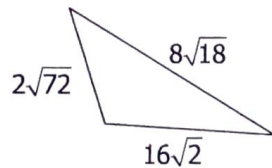
⑧

$$-3\sqrt{6} - 5\sqrt{6} + 4\sqrt{8} + 4\sqrt{2}$$

⑨

Applications

Write the perimeter of the triangle as an expression in simplest radical form.



⑩

The length and width of a rectangle is represented by the expressions $2\sqrt{405}$ and $9\sqrt{48}$. Write an expression to represent the perimeter of the rectangle in simplest radical form.