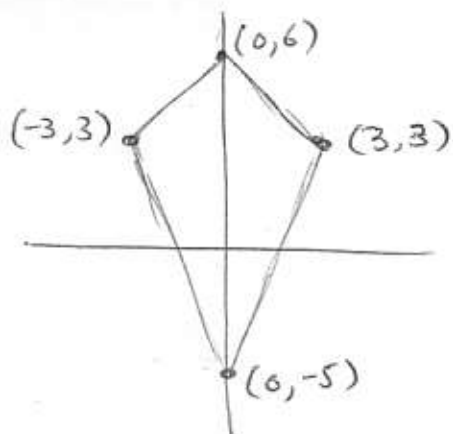
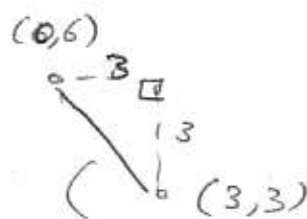


14



kite < diagonals are perpendicular
2 pairs of consecutive congruent sides

Perimeter = add all lengths on outside

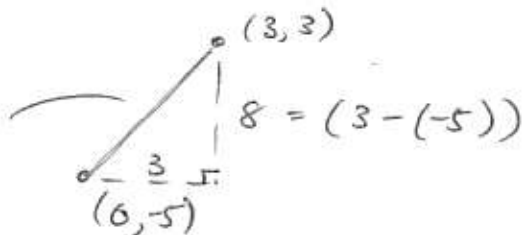


$$\text{length} = \sqrt{3^2 + 3^2} = \sqrt{18}$$

$$= \sqrt{9 \cdot 2} = 3\sqrt{2}$$

$$= 3\sqrt{2}$$

$$\begin{aligned} \text{length} &= \sqrt{3^2 + 8^2} \\ &= \sqrt{73} \end{aligned}$$



By symmetry, the other 2 sides have lengths $3\sqrt{2}$ and $\sqrt{73}$ also

$$\begin{aligned} \text{So total} &= 3\sqrt{2} + 3\sqrt{2} + \sqrt{73} + \sqrt{73} \\ &= \underline{\underline{6\sqrt{2} + 2\sqrt{73}}} \end{aligned}$$