

* Simplify

$$5 \left\{ \left[2 \cdot (a-3) + 4 \right] - 3 \left[4 \cdot (a+2) - 6 \right] \right\}$$

$$5 \left\{ \left[2a - 6 + 4 \right] - 3 \left[4a + 8 - 6 \right] \right\}$$

$$5 \left\{ \left[2a - 2 \right] - 3 \left[4a + 2 \right] \right\}$$

$$5 \left\{ 2a - 2 - 3 \cdot \left[4a + 2 \right] \right\}$$

$$5 \left\{ 2a - 2 - 12a - 6 \right\}$$

$$5 \left\{ -10a - 8 \right\}$$

$$\boxed{-50a - 40}$$

$$\begin{array}{r} -2 - 6 \\ -2 + -6 \\ -8 \end{array}$$