

Activity 4:



Creating

Evaluating

Analysing

Applying

Understanding

Remembering



Find a unit vector u with the same direction as the given vector.

$$W = \langle 6, -2 \rangle$$

$$u = \left\langle \frac{3\sqrt{10}}{10}, \frac{-\sqrt{10}}{10} \right\rangle$$

$$u = \left\langle \frac{1}{10}, \frac{-\sqrt{10}}{2} \right\rangle$$

$$u = \left\langle \frac{-\sqrt{5}}{5}, \frac{-2\sqrt{5}}{5} \right\rangle$$

$$u = \left\langle \frac{-\sqrt{5}}{5}, \frac{+\sqrt{5}}{5} \right\rangle$$

$$X = \langle -4, -8 \rangle$$

$$u = \left\langle \frac{3\sqrt{10}}{10}, \frac{-\sqrt{10}}{10} \right\rangle$$

$$u = \left\langle \frac{1}{10}, \frac{-\sqrt{10}}{2} \right\rangle$$

$$u = \left\langle \frac{-\sqrt{5}}{5}, \frac{-2\sqrt{5}}{5} \right\rangle$$

$$u = \left\langle \frac{-\sqrt{5}}{5}, \frac{+\sqrt{5}}{5} \right\rangle$$