Activity 4:

Creating

Evaluating

Analysing

Applying

Understanding

Remembering

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

W = <6 , -2 >	X = < -4 , -8 >
$u = \left\langle \frac{3\sqrt{10}}{10}, \frac{-\sqrt{10}}{10} \right\rangle$	$u = \left\langle \frac{3\sqrt{10}}{10}, \frac{-\sqrt{10}}{10} \right\rangle$
$u = \left\langle \frac{1}{10}, \frac{-\sqrt{10}}{2} \right\rangle$	$u = \left\langle \frac{1}{10}, \frac{-\sqrt{10}}{2} \right\rangle$
$u = \left\langle \frac{-\sqrt{5}}{5}, \frac{-2\sqrt{5}}{5} \right\rangle$	$u = \left\langle \frac{-\sqrt{5}}{5}, \frac{-2\sqrt{5}}{5} \right\rangle$
$u = \left\langle \frac{-\sqrt{5}}{5}, \frac{+\sqrt{5}}{5} \right\rangle$	$u = \left\langle \frac{-\sqrt{5}}{5}, \frac{+\sqrt{5}}{5} \right\rangle$

LIVEWORKSHEETS