8. Given $a=-3+2x$ and $w=3$, which of the following is correct:

$a-w=x-3$	$a\times w=x\,(2x-3)$
$a+w=3\,(x-1)$	$\frac{a+w}{a-w}=\frac{2x}{x+3}$

$a+w=3\,(x+1)$	$a-w=x+3$
$a\times w=x\,(2x+3)$	$\frac{a+w}{a-w}=\frac{3\,(x-1)}{2\,(x-3)}$

$a-w=2\,(x-3)$	$\frac{a+w}{a-w}=\frac{x}{x-3}$
$a\times w=3\,(2x-3)$	$a+w=2x$

$\frac{a+w}{a-w}=\frac{3\,(x+1)}{2\,(x-3)}$	$a\times w=3\,(2x+3)$
$a+w=2\,(x+3)$	$a-w=2x$

Solution