TASK Fully factorise

e.g. $\sqrt{2}\,y - \sqrt{50}\,x$

$= \sqrt{2}(y - 5x)$

(1)	$\sqrt{3}\,x + \sqrt{75}$
(2)	$\sqrt{98} + 4\sqrt{2}\,x$
(3)	$\sqrt{48} + \sqrt{12}\,x$
(4)	$\sqrt{32}\,y^2 + \sqrt{18}\,xy$

TASK

Fully factorise

(5)	$\sqrt{15}\,x + \sqrt{10}\,y$
(6)	$\sqrt{35}\,x^2 - \sqrt{28}\,x$
(7)	$\sqrt{40}\,x + \sqrt{60}\,x^2y$
(8)	$\sqrt{33}\,xy^2 - \sqrt{55}\,x^2y + \sqrt{11}\,xy$

TASK Fully factorise

e.g. $\sqrt{2}\,y - \sqrt{50}\,x$

$= \sqrt{2}(y - 5x)$

(1)	$\sqrt{3}\,x + \sqrt{75}$ $\sqrt{3}(x+5)$
(2)	$\sqrt{98} + 4\sqrt{2}\,x$ $\sqrt{2}(7+4x)$
(3)	$\sqrt{48} + \sqrt{12}\,x$ $= 4\sqrt{3} + 2\sqrt{3}x$ $= 2\sqrt{3}(2+x)$
(4)	$\sqrt{32}\,y^2 + \sqrt{18}\,xy$ $= 4\sqrt{2}y^2 + 3\sqrt{2}xy$ $= \sqrt{2}y(4y+3x)$

TASK	Fully factorise

(5)	$\sqrt{15}\,x + \sqrt{10}\,y$ $\sqrt{3}\sqrt{5}x+\sqrt{2}\sqrt{5}y$ $=\sqrt{5}(\sqrt{3}x+\sqrt{2}y)$
(6)	$\sqrt{35}\,x^2 - \sqrt{28}\,x$ $=\sqrt{7}\sqrt{5}x^2-2\sqrt{7}x$ $=\sqrt{7}x(\sqrt{5}x-2)$
(7)	$\sqrt{40}\,x + \sqrt{60}\,x^2y$ $=2\sqrt{10}x+\sqrt{6}\sqrt{10}x^2y$ $=\sqrt{10}x(2+\sqrt{6}xy)$
(8)	$\sqrt{33}\,xy^2 - \sqrt{55}\,x^2y + \sqrt{11}\,xy$ $\sqrt{11}xy(\sqrt{3}y-\sqrt{5}x+1)$