



MTH 4-06a

Homework 3

Gold Level



Outcome 1 - Simplifying Surds

Simplify the following surds...

	$\sqrt{24}$		$\sqrt{99}$
	$\sqrt{44}$		$\sqrt{160}$
	$\sqrt{147}$		$\sqrt{150}$
	$\sqrt{180}$		$\sqrt{18}$
	$\sqrt{300}$		$\sqrt{288}$

Outcome 2 - Rationalising the Denominator

Express each of the following with rational denominators...

	$\frac{1}{\sqrt{2}}$		$\frac{1}{\sqrt{14}}$
	$\frac{1}{\sqrt{17}}$		$\frac{1}{\sqrt{6}}$
	$\frac{3}{\sqrt{2}}$		$\frac{10}{\sqrt{17}}$
	$\frac{9}{\sqrt{5}}$		$\frac{5}{\sqrt{19}}$