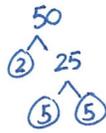


104 - EQ - Entire to Mixed Radicals, Adding and Subtracting Radicals

Q1: Convert the entire radicals to mixed radicals. (1 mark each)

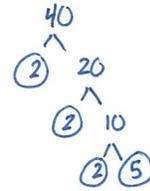
$\sqrt{50}$

$$\sqrt{2 \cdot 5^2}$$
$$5\sqrt{2}$$



$\sqrt[3]{40}$

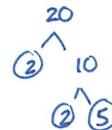
$$\sqrt[3]{2^3 \cdot 5}$$
$$2\sqrt[3]{5}$$



Q2: Simplify the following expressions. (2 marks)

$\sqrt{50} + \sqrt{18} - \sqrt{20}$

$$\sqrt{2 \cdot 5^2} + \sqrt{2 \cdot 3^2} - \sqrt{2^2 \cdot 5}$$
$$5\sqrt{2} + 3\sqrt{2} - 2\sqrt{5}$$
$$8\sqrt{2} - 2\sqrt{5}$$

**MARKING:**

Beginning	0.0 – 1.5
Progressing	2.0 – 2.5
Competent	3.0 – 3.5
Exemplary	4.0