

1E Surds Introduction

1. Simplify

a) $\sqrt{18}$

b) $\frac{\sqrt{20}}{2}$

c) $5\sqrt{6} - 2\sqrt{24} + \sqrt{294}$

2. Expand and simplify if possible

a) $\sqrt{2}(5 - \sqrt{3})$

b) $(2 - \sqrt{3})(5 + \sqrt{3})$