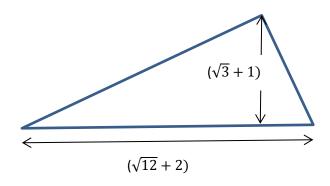
- 1. Express in simplest form with a rational denominator:
- (a) $\frac{2}{\sqrt{4}}$
- (b) $\frac{3\sqrt{5}}{\sqrt{8}}$
- (c) $\frac{4}{(\sqrt{3}+1)}$
- 2. Find the **exact** area of the triangle.



- 3. After a 4% pay rise Lisa earns £1456 per month. What did she earn before the pay rise?
- 4. Expand and simplify:
 - (a) 3a(a+5)-2a(a-7)
 - (b) (b + 3)(2b 4)
 - (c) $(2c+4)(c^2+3c+4)$
- 5. Fully factorise:
 - (a) $12x^2 27$
 - (b) $x^2 + 13x + 36$
 - (c) $x^2 14x + 24$
 - (d) $2x^2 5x 12$