**Solving equations with exponential terms**

Solve $3^{x}=20$

Solve $5^{4x-1}=61$

Solve $3^{x}=2^{x+1}$

Solve the equation $5^{2x}-12\left(5^{x}\right)+20=0$, giving your answer to 3sf.

Solve $3^{2x-1}=5$, giving your answer to 3dp.

Solve $2^{x}3^{x+1}=5$, giving your answer in exact form.

Solve $3^{x+1}=4^{x-1}$, giving your answer to 3dp.

Exercise 14F Pg 325

AD Page 11

