

- 20** **1** Which inequality gives the domain of  $\sqrt{2x-3}$ ? **1**  
**MA**
- A.  $x < \frac{3}{2}$       B.  $x > \frac{3}{2}$       C.  $x \leq \frac{3}{2}$       D.  $x \geq \frac{3}{2}$

**D**

As  $\sqrt{2x-3} \geq 0$ , then  $2x - 3 \geq 0$

$$2x \geq 3$$

$$x \geq \frac{3}{2}$$

$\therefore$  the domain is  $x \geq \frac{3}{2}$ .

State Mean:  
**0.65/1**

\* These solutions have been provided by [projectmaths](http://projectmaths.com.au) and are not supplied or endorsed by NESA.

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