



Simplify $\frac{(6x^{\frac{1}{2}})^3}{2x}$

$$\frac{216x^{\frac{3}{2}}}{2x}$$

$$= 108x^{\frac{1}{2}}$$

Work out

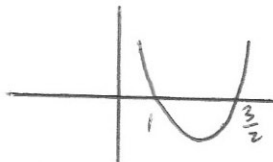
$$\left(1\frac{11}{25}\right)^{-\frac{1}{2}} \quad \left(\frac{36}{25}\right)^{-\frac{1}{2}}$$

$$\left(\frac{25}{36}\right)^{\frac{1}{2}} = \frac{5}{6}$$

Solve $2x^2 - 5x + 3 < 0$

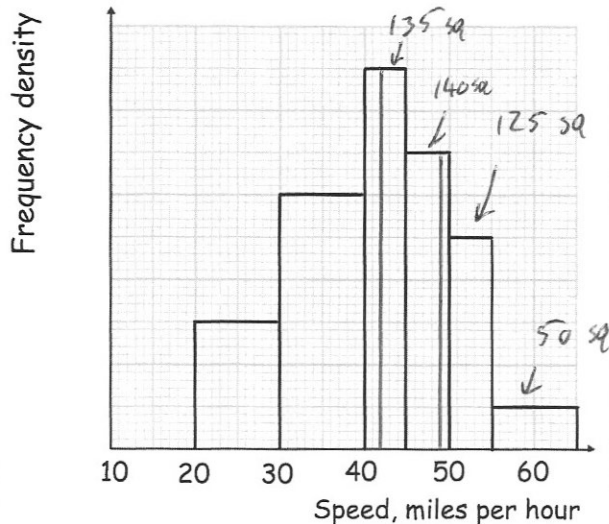
$$(2x - 3)(x - 1)$$

$$x = \frac{3}{2} \quad x = 1$$



$$1 < x < \frac{3}{2}$$

The histogram shows the speeds, in miles per hour, of cars on a road.



14 cars were travelling over 50 mph.

Calculate an estimate of the number of cars that were travelling between 42 and 49 mph.

$$14 \text{ cars} = 175 \text{ sq.}$$

$$1 \text{ car} = 12.5 \text{ sq.}$$

$$135 + 140 = 275$$

$$275 \div 12.5 = 22$$

$$=$$