

Answers

1. $\frac{22}{15}$

2. $2x^3 - 9x^2 + 10x - 3$

3. $p = -1, p = 2$

4. $2\sqrt{2}$

5. Median = 25, IQR = 29 years.

6. $\sin 330^\circ, \sin 180^\circ, \sin 60^\circ$

7. Proof, Sine Rule

8. (a) $x^{\frac{3}{2}} - 1$ (b) 26

9. 6

10. (a) $D = -3T + 36$ (b) 21 km

11. (a) $y = (x + 2)^2 - 1$ (b) Turning point at $(-2, -1)$, y -intercept at $y = 3$.

12. 44°

13. $P\left(\frac{7}{2}, -\frac{1}{2}\right)$