

Solve the following equations:

(a) $|3x + 1| = 7$

(b) $|2x + 1| = x + 2$

(c) $|x - 2| = 3x - 4$

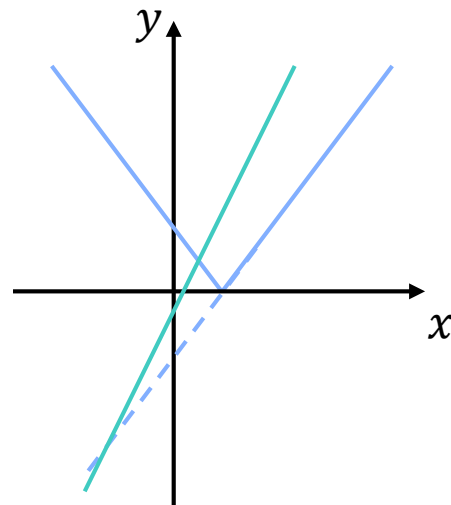
(d) $|3x + 3| = |2x - 5|$

(e) $|2 - x| = 3x + 1$

Extension*: $|x| = |x^2 - x - 2|$



Always sketch a graph to reduce the chance of errors.



** This question is beyond the scope of A-Level Maths*