Lines and graphs
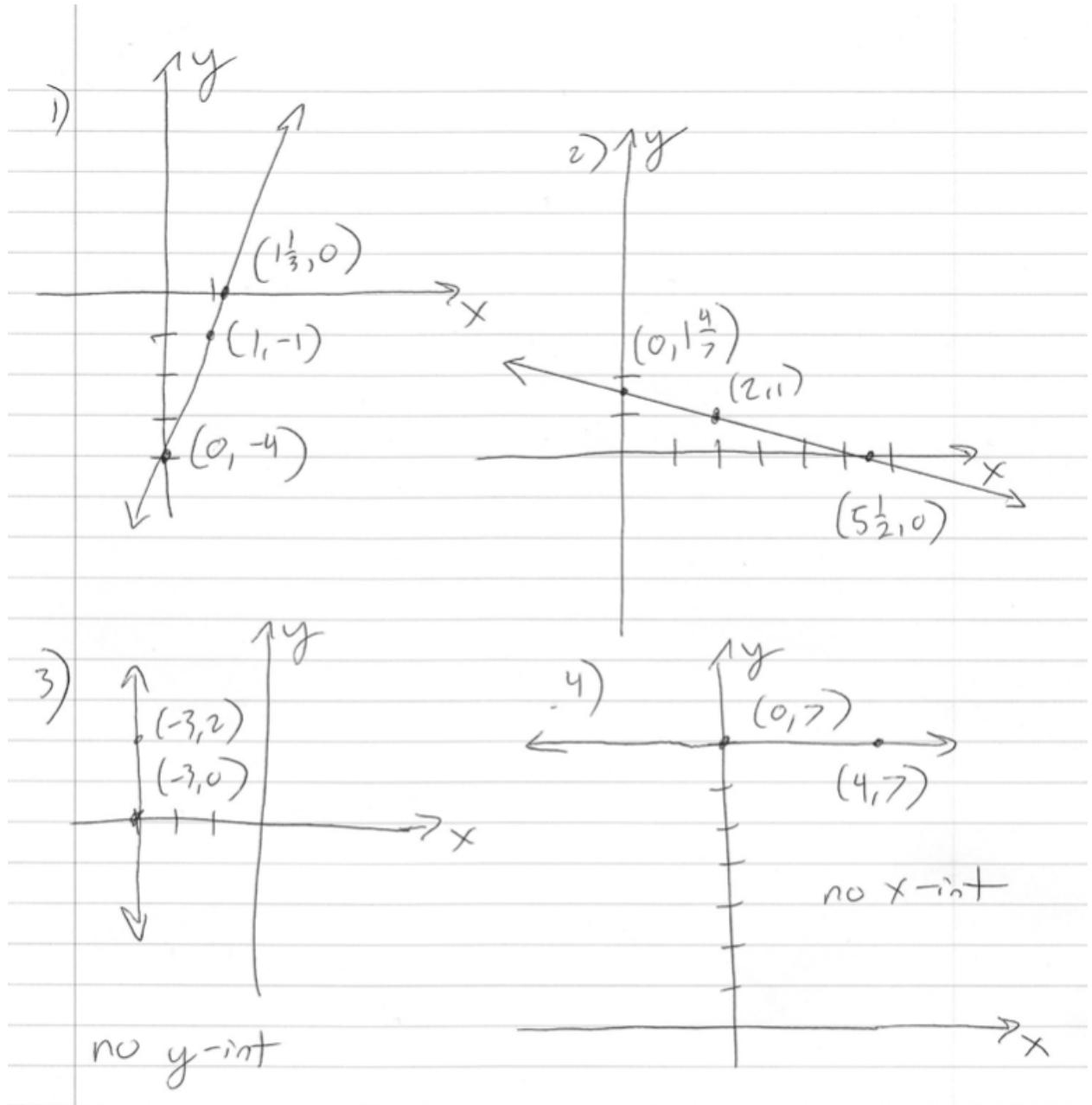
1) Graph the line $y = 3x - 4$. Label both intercepts and at least one other point.

2) Graph the line $2x + 7y = 11$. Label both intercepts and at least one other point.

3) Graph the line $x = -3$. Label all intercepts and at least one other point.

4) Graph the line $y = 7$. Label all intercepts and at least one other point.

5) Find the equation of the line through (0, 2) and (5, 1).

6) Find the equation of the line through (−2, −4) and (9, 1).

7) Find the equation of the horizontal line through (8, −2).

8) Find the equation of the vertical line through (−3, −4).

1)

Graph with points $(1\frac{1}{3}, 0)$, $(1, -1)$, $(0, -4)$

2)

Graph with points $(0, 1\frac{4}{7})$, $(2, 1)$, $(5\frac{1}{2}, 0)$

3)

Graph with points $(-3, 2)$, $(-3, 0)$

no y-int

4)

Graph with points $(0, 7)$, $(4, 7)$

no x-int

5) $y = -\frac{1}{5}x + 2$

6) $y = \frac{5}{11}x - \frac{34}{11}$

7) $y = -2$

8) $x = -3$