Find the distance between this simple fraction points:

1) $\left(-\frac{11}{8}, 1\right), \left(2\frac{6}{7}, 2\frac{5}{8}\right)$

2) $\left(\frac{1}{7}, -2\frac{3}{4}\right), \left(\frac{4}{7}, 0\right)$

3) $\left(\frac{4}{3}, 2\frac{1}{8}\right), (0, -2)$

4) $(1, 1), \left(4\frac{1}{6}, -\frac{3}{2}\right)$

5) $(-1, 0), \left(-1, -\frac{9}{5}\right)$

6) $\left(\frac{1}{2}, -\frac{1}{6}\right), \left(4\frac{2}{3}, 4\frac{1}{2}\right)$

7) $\left(\frac{2}{5}, 4\frac{3}{4}\right), (0, 1)$

8) $\left(-\frac{8}{5}, \frac{1}{6}\right), \left(4\frac{1}{3}, \frac{5}{6}\right)$

9) $\left(-\frac{1}{2}, \frac{1}{8}\right), \left(\frac{11}{6}, -1\frac{3}{8}\right)$

10) $\left(\frac{7}{4}, 1\right), \left(-1\frac{1}{6}, 2\frac{1}{6}\right)$

11) $\left(-2, -3\frac{1}{3}\right), \left(2\frac{1}{5}, 1\frac{3}{7}\right)$

12) $\left(\frac{5}{4}, 1\frac{5}{8}\right), \left(0, 4\frac{1}{3}\right)$

13) $\left(-3\frac{2}{3}, 0\right), \left(-3\frac{1}{4}, \frac{1}{3}\right)$

14) $\left(-2\frac{1}{3}, -\frac{5}{3}\right), \left(-2\frac{6}{7}, 3\frac{7}{8}\right)$

15) $\left(1\frac{1}{2}, -\frac{1}{4}\right), \left(-7, \frac{1}{4}\right)$

16) $\left(-2\frac{1}{2}, 2\frac{2}{3}\right), \left(-\frac{9}{7}, 2\frac{1}{2}\right)$

17) $\left(1\frac{3}{8}, \frac{1}{3}\right), \left(3\frac{5}{6}, \frac{7}{8}\right)$

18) $\left(-1\frac{7}{8}, 4\frac{3}{7}\right), \left(0, -1\frac{1}{6}\right)$

19) $\left(-1\frac{7}{8}, -\frac{1}{2}\right), \left(\frac{2}{3}, 1\frac{2}{5}\right)$

20) $\left(4\frac{3}{7}, -2\right), \left(\frac{3}{5}, -2\frac{2}{5}\right)$

21) $\left(-3\frac{2}{7}, -\frac{4}{3}\right), \left(2\frac{3}{8}, -1\frac{1}{8}\right)$

22) $\left(2\frac{1}{6}, \frac{2}{7}\right), \left(1\frac{1}{3}, 3\frac{1}{6}\right)$

23) $\left(3\frac{5}{6}, \frac{3}{4}\right), \left(0, 2\frac{4}{5}\right)$

24) $\left(1\frac{1}{6}, -2\frac{3}{5}\right), \left(4\frac{2}{3}, -1\right)$

25) $\left(-1\frac{5}{6}, 4\right), \left(-\frac{9}{7}, \frac{5}{3}\right)$

26) $(0, -1), \left(3\frac{1}{3}, 3\frac{6}{7}\right)$

27) $\left(-3\frac{2}{5}, 2\frac{5}{6}\right), \left(-2\frac{1}{3}, \frac{3}{7}\right)$

28) $\left(8\frac{1}{5}, -1\right), \left(-2, \frac{1}{6}\right)$

29) $\left(-1, 4\frac{1}{7}\right), \left(-2\frac{1}{7}, \frac{12}{7}\right)$

30) $(1, -2), \left(-\frac{3}{2}, 1\frac{3}{4}\right)$

Find the distance between this simple fraction points:

1) $\left(-\frac{11}{8}, 1\right)$, $\left(2\frac{6}{7}, 2\frac{5}{8}\right)$ $\frac{5\sqrt{2578}}{56}$

2) $\left(\frac{1}{7}, -2\frac{3}{4}\right)$, $\left(\frac{4}{7}, 0\right)$ $\frac{\sqrt{6073}}{28}$

3) $\left(\frac{4}{3}, 2\frac{1}{8}\right)$, $(0, -2)$ $\frac{5\sqrt{433}}{24}$

4) $(1, 1)$, $\left(4\frac{1}{6}, -\frac{3}{2}\right)$ $\frac{\sqrt{586}}{6}$

5) $(-1, 0)$, $\left(-1, -\frac{9}{5}\right)$ $1\frac{4}{5}$

6) $\left(\frac{1}{2}, -\frac{1}{6}\right)$, $\left(4\frac{2}{3}, 4\frac{1}{2}\right)$ $\frac{\sqrt{1409}}{6}$

7) $\left(\frac{2}{5}, 4\frac{3}{4}\right)$, $(0, 1)$ $\frac{\sqrt{5689}}{20}$

8) $\left(-\frac{8}{5}, \frac{1}{6}\right)$, $\left(4\frac{1}{3}, \frac{5}{6}\right)$ $\frac{\sqrt{8021}}{15}$

9) $\left(-\frac{1}{2}, \frac{1}{8}\right)$, $\left(\frac{11}{6}, -1\frac{3}{8}\right)$ $\frac{\sqrt{277}}{6}$

10) $\left(\frac{7}{4}, 1\right)$, $\left(-1\frac{1}{6}, 2\frac{1}{6}\right)$ $\frac{7\sqrt{29}}{12}$

11) $\left(-2, -3\frac{1}{3}\right)$, $\left(2\frac{1}{5}, 1\frac{3}{7}\right)$ $\frac{\sqrt{444481}}{105}$

12) $\left(\frac{5}{4}, 1\frac{5}{8}\right)$, $\left(0, 4\frac{1}{3}\right)$ $\frac{5\sqrt{205}}{24}$

13) $\left(-3\frac{2}{3}, 0\right)$, $\left(-3\frac{1}{4}, \frac{1}{3}\right)$ $\frac{\sqrt{41}}{12}$

14) $\left(-2\frac{1}{3}, -\frac{5}{3}\right)$, $\left(-2\frac{6}{7}, 3\frac{7}{8}\right)$ $\frac{\sqrt{874505}}{168}$

15) $\left(1\frac{1}{2}, -\frac{1}{4}\right)$, $\left(-7, \frac{1}{4}\right)$ $\frac{\sqrt{290}}{2}$

16) $\left(-2\frac{1}{2}, 2\frac{2}{3}\right)$, $\left(-\frac{9}{7}, 2\frac{1}{2}\right)$ $\frac{5\sqrt{106}}{42}$

17) $\left(1\frac{3}{8}, \frac{1}{3}\right)$, $\left(3\frac{5}{6}, \frac{7}{8}\right)$ $\frac{5\sqrt{146}}{24}$

18) $\left(-1\frac{7}{8}, 4\frac{3}{7}\right)$, $\left(0, -1\frac{1}{6}\right)$ $\frac{5\sqrt{39313}}{168}$

19) $\left(-1\frac{7}{8}, -\frac{1}{2}\right)$, $\left(\frac{2}{3}, 1\frac{2}{5}\right)$ $\frac{\sqrt{145009}}{120}$

20) $\left(4\frac{3}{7}, -2\right)$, $\left(\frac{3}{5}, -2\frac{2}{5}\right)$ $\frac{2\sqrt{4538}}{35}$

21) $\left(-3\frac{2}{7}, -\frac{4}{3}\right)$, $\left(2\frac{3}{8}, -1\frac{1}{8}\right)$ $\frac{\sqrt{905626}}{168}$

22) $\left(2\frac{1}{6}, \frac{2}{7}\right)$, $\left(1\frac{1}{3}, 3\frac{1}{6}\right)$ $\frac{\sqrt{15866}}{42}$

23) $\left(3\frac{5}{6}, \frac{3}{4}\right)$, $\left(0, 2\frac{4}{5}\right)$ $\frac{\sqrt{68029}}{60}$

24) $\left(1\frac{1}{6}, -2\frac{3}{5}\right)$, $\left(4\frac{2}{3}, -1\right)$ $\frac{\sqrt{1481}}{10}$

25) $\left(-1\frac{5}{6}, 4\right), \left(-\frac{9}{7}, \frac{5}{3}\right)$ $\frac{\sqrt{10133}}{42}$

26) $(0, -1), \left(3\frac{1}{3}, 3\frac{6}{7}\right)$ $\frac{2\sqrt{3826}}{21}$

27) $\left(-3\frac{2}{5}, 2\frac{5}{6}\right), \left(-2\frac{1}{3}, \frac{3}{7}\right)$ $\frac{\sqrt{305201}}{210}$

28) $\left(8\frac{1}{5}, -1\right), \left(-2, \frac{1}{6}\right)$ $\frac{\sqrt{94861}}{30}$

29) $\left(-1, 4\frac{1}{7}\right), \left(-2\frac{1}{7}, \frac{12}{7}\right)$ $\frac{\sqrt{353}}{7}$

30) $(1, -2), \left(-\frac{3}{2}, 1\frac{3}{4}\right)$ $\frac{5\sqrt{13}}{4}$