Find the distance between this complex fraction points:

1) \( \left( \frac{1}{4}, -\frac{3}{4} \right), \left( \frac{6}{10}, \frac{2}{3} \right) \)  
2) \( \left( -\frac{1}{2}, \frac{3}{10} \right), \left( -\frac{8}{9}, -\frac{1}{9} \right) \)

3) \( \left( \frac{11}{7}, -11 \right), \left( -\frac{4}{3}, 0 \right) \)  
4) \( \left( -\frac{16}{9}, \frac{4}{8} \right), \left( -\frac{4}{7}, \frac{1}{3} \right) \)

5) \( \left( \frac{18}{11}, \frac{22}{13} \right), \left( \frac{6}{7}, -9 \right) \)  
6) \( \left( \frac{2}{5}, \frac{6}{5} \right), \left( 2, -\frac{1}{2} \right) \)

7) \( \left( \frac{1}{2}, -3 \frac{5}{11} \right), \left( -1 \frac{1}{7}, -2 \frac{1}{5} \right) \)  
8) \( \left( -\frac{9}{7}, \frac{3}{4} \right), \left( 1 \frac{5}{6}, 4 \frac{1}{2} \right) \)

9) \( \left( -\frac{13}{8}, -\frac{14}{9} \right), \left( -2 \frac{11}{14}, 6 \frac{7}{8} \right) \)  
10) \( \left( \frac{6}{5}, -3 \frac{7}{12} \right), \left( 6 \frac{1}{6}, 1 \frac{3}{14} \right) \)

11) \( \left( \frac{18}{11}, \frac{10}{7} \right), \left( -\frac{14}{9}, 2 \frac{4}{5} \right) \)  
12) \( (0, -1), \left( -1, \frac{7}{8} \right) \)

13) \( \left( -\frac{1}{3}, -3 \frac{1}{2} \right), \left( 7 \frac{1}{12}, -10 \frac{1}{2} \right) \)  
14) \( \left( 1, \frac{7}{4} \right), \left( 2 \frac{7}{12}, -3 \frac{4}{7} \right) \)

15) \( \left( 6 \frac{1}{10}, -\frac{1}{4} \right), \left( 12 \frac{4}{7}, 4 \frac{7}{8} \right) \)  
16) \( \left( 1, \frac{1}{2} \right), \left( -\frac{1}{5}, \frac{1}{5} \right) \)

17) \( \left( -2 \frac{6}{7}, 6 \frac{9}{10} \right), \left( -3 \frac{5}{6}, -\frac{3}{2} \right) \)  
18) \( \left( -2 \frac{9}{14}, 4 \frac{1}{3} \right), \left( -2 \frac{1}{5}, 7 \frac{1}{6} \right) \)

19) \( \left( -2 \frac{3}{10}, -2 \frac{1}{2} \right), \left( 7 \frac{4}{12}, 4 \frac{1}{2} \right) \)  
20) \( \left( -2 \frac{1}{3}, 1 \frac{2}{5} \right), \left( \frac{1}{2}, \frac{1}{4} \right) \)

21) \( \left( -3 \frac{7}{13}, -12 \right), \left( 2 \frac{5}{9}, 4 \frac{3}{7} \right) \)  
22) \( \left( -11 \frac{5}{7}, 1 \frac{4}{7} \right), \left( \frac{23}{12}, 3 \frac{3}{5} \right) \)

23) \( \left( 10, \frac{17}{9} \right), \left( -1 \frac{9}{14}, -\frac{13}{8} \right) \)  
24) \( \left( -3 \frac{1}{3}, 5 \frac{1}{2} \right), \left( \frac{3}{4}, 2 \right) \)
25) \((-3 \frac{1}{5}, 1 \frac{1}{4}), (3 \frac{7}{12}, 2)\)

26) \((4 \frac{1}{12}, 1), (2 \frac{2}{3}, 1)\)

27) \((6 \frac{1}{2}, 1 \frac{5}{12}), (7 \frac{1}{6}, -\frac{7}{13})\)

28) \((7 \frac{2}{3}, -\frac{11}{7}), (0, -\frac{1}{2})\)

29) \((-2 \frac{4}{9}, -\frac{1}{3}), (5 \frac{10}{13}, -\frac{3}{2})\)

30) \((-2, 4 \frac{2}{3}), (-1 \frac{1}{2}, -\frac{8}{7})\)
Find the distance between this complex fraction points:

1) \((1, -\frac{3}{4}), (\frac{9}{10}, \frac{2}{3})\) \[\sqrt{\frac{195541}{60}}\]
2) \((-\frac{1}{2}, \frac{3}{10}), (-\frac{8}{9}, -\frac{1}{9})\) \[\sqrt{\frac{140114}{90}}\]
3) \((\frac{11}{7}, -11), (-\frac{4}{3}, 0)\) \[\sqrt{\frac{57082}{21}}\]
4) \((-\frac{16}{9}, 4\frac{1}{8}), (-\frac{4}{7}, -\frac{1}{3})\) \[\sqrt{\frac{5418673}{504}}\]
5) \((\frac{18}{11}, \frac{22}{13}), (\frac{6}{7}, -9)\) \[\sqrt{\frac{132404834}{1001}}\]
6) \((\frac{2}{5}, 6\frac{5}{6}), (2, -\frac{1}{2})\) \[2\sqrt{\frac{3169}{15}}\]
7) \((\frac{1}{2}, -3\frac{5}{11}), (-1\frac{1}{7}, -2\frac{1}{5})\) \[23\sqrt{\frac{4789}{770}}\]
8) \((-\frac{9}{7}, 3\frac{3}{4}), (1\frac{5}{6}, 4\frac{1}{2})\) \[\sqrt{\frac{167869}{84}}\]
9) \((-\frac{13}{8}, -\frac{14}{9}), (-2\frac{11}{14}, 6\frac{7}{8})\) \[\sqrt{\frac{18396226}{504}}\]
10) \((\frac{6}{5}, -3\frac{7}{12}), (6\frac{1}{6}, 1\frac{3}{14})\) \[\sqrt{\frac{8411621}{420}}\]

11) \((\frac{18}{11}, \frac{10}{7}), (-\frac{14}{9}, 2\frac{4}{5})\) \[4\sqrt{\frac{9056569}{3465}}\]
12) \((0, -1), (-\frac{7}{8}, 2\frac{1}{8})\)

13) \((-\frac{1}{3}, -3\frac{1}{2}), (7\frac{1}{12}, -10\frac{1}{2})\) \[\sqrt{\frac{14977}{12}}\]
14) \((1\frac{7}{4}, 2\frac{7}{12}, -3\frac{4}{7})\) \[\sqrt{\frac{217498}{84}}\]
15) \((6\frac{1}{10}, -\frac{1}{4}), (\frac{12}{7}, 4\frac{7}{8})\) \[\sqrt{\frac{3567209}{280}}\]
16) \((1\frac{1}{2}, -\frac{1}{5\frac{1}{5}})\) \[3\sqrt{\frac{17}{10}}\]
17) \((-2\frac{6}{7}, 5\frac{9}{10}), (-3\frac{5}{6}, -3\frac{3}{2})\) \[\sqrt{\frac{3153721}{210}}\]
18) \((-2\frac{9}{14}, 4\frac{1}{3}), (-2\frac{1}{5}, 7\frac{1}{6})\) \[13\sqrt{\frac{2146}{210}}\]
19) \((-2\frac{3}{10}, -1\frac{2}{2}), (7\frac{7}{12}, 4\frac{1}{2})\) \[\sqrt{\frac{87529}{60}}\]
20) \((-2\frac{1}{3}, 1\frac{2}{5}), (\frac{1}{2}, 1\frac{4}{5})\) \[\sqrt{\frac{33661}{60}}\]
21) \((-3\frac{7}{13}, -12), (2\frac{5}{9}, 4\frac{4}{3})\) \[\sqrt{\frac{2941969}{117}}\]
22) \((-11\frac{5}{7}, 1\frac{4}{7}), (-2\frac{23}{12}, 3\frac{3}{5})\) \[\sqrt{\frac{17099689}{420}}\]
23) \((10, \frac{17}{9}), (-\frac{9}{14}, -\frac{13}{8})\) \[\sqrt{\frac{37569865}{504}}\]
24) \((-3\frac{1}{3}, 5\frac{1}{2}), (\frac{3}{4}, 2)\) \[7\sqrt{\frac{85}{12}}\]
25) \((-3\frac{1}{5}, 1\frac{1}{4})\), \((3\frac{7}{12}, 2)\) \(\frac{\sqrt{167674}}{60}\)

26) \((4\frac{1}{12}, 1)\), \((2\frac{2}{3}, 1)\) \(1\frac{5}{12}\)

27) \((6\frac{1}{2}, 1\frac{5}{12})\), \((7\frac{1}{6}, -\frac{7}{13})\) \(\frac{\sqrt{103841}}{156}\)

28) \((7\frac{2}{3}, -\frac{11}{7})\), \((0, -\frac{1}{2})\) \(\frac{\sqrt{105709}}{42}\)

29) \((-2\frac{4}{9}, -\frac{1}{3})\), \((5\frac{10}{13}, -\frac{3}{2})\) \(\frac{\sqrt{3768613}}{234}\)

30) \((-2, 4\frac{2}{3})\), \((-\frac{1}{2}, -\frac{8}{7})\) \(\frac{\sqrt{59977}}{42}\)