Senior Practice Sprint Round (UEB)

1. The absolute value of negative thirty equals thirty.

   $|-30| = 30$

   ⠸⠳ ⠨⠨⠁⠃⠎⠕⠇⠥⠞⠑ ⠧⠁⠇⠥⠑ ⠕⠋
   ⠝⠑⠛⠁⠞⠊⠧⠑ ⠞⠓⠊⠗⠞⠽ ⠑⠟⠥⠁⠇⠎
   ⠞⠓⠊⠗⠞⠽ ⠨⠨⠁⠃⠎⠕⠇⠥⠞⠑ ⠧⠁⠇⠥⠑ ⠕⠋
   ⠞⠓⠊⠗⠞⠽

2. One hundred eighty degrees minus one hundred thirty-five degrees equals forty-five degrees.

   $180^\circ - 135^\circ = 45^\circ$

   ⠸⠳ ⠨⠨⠓⠥⠝⠙⠗⠑⠙ ⠑⠊⠛⠓⠞⠽ ⠙⠑⠛⠗⠑⠑⠎
   ⠝⠑⠛⠁⠞⠊⠧⠑ ⠨⠨⠓⠥⠝⠙⠗⠑⠙ ⠞⠓⠊⠗⠞⠽⠤⠋⠊⠧⠑ ⠙⠑⠛⠗⠑⠑⠎
   ⠞⠓⠊⠗⠞⠽ ⠨⠨⠓⠥⠝⠙⠗⠑⠙ ⠞⠓⠊⠗⠞⠽⠤⠋⠊⠧⠑ ⠙⠑⠛⠗⠑⠑⠎

3. The cube root of x end root minus eight equals zero.

   $\sqrt[3]{x} - 8 = 0$

   ⠸⠳ ⠨⠨⠉⠥⠃⠑ ⠗⠕⠕⠞ ⠕⠋ ⠭ ⠑⠝⠙
   ⠗⠕⠕⠞ ⠨⠨⠍⠊⠝⠥⠎ ⠑⠊⠛⠓⠞ ⠨⠨ ⠵⠑⠗⠕
   ⠗⠕⠕⠞ ⠨⠨⠍⠊⠝⠥⠎ ⠑⠊⠛⠓⠞ ⠨⠨ ⠵⠑⠗⠕

4. Open parenthesis two x minus one close parenthesis open parenthesis four plus x squared close parenthesis

$$(2x-1)(4+x^2)$$

⠐⠣ ⠼⠃⠭ ⠤ ⠼⠁⠜ ⠐⠣ ⠼⠙ ⠖ ⠭⠘⠼⠃⠜
⠐⠣⠐⠣ ⠼⠃⠭ ⠤ ⠼⠁⠜⠐⠣ ⠼⠙ ⠖ ⠭⠘⠼⠃⠜
⠐⠣⠐⠣⠐⠣ ⠼⠃⠭ ⠤ ⠼⠁⠜⠐⠣ ⠼⠙ ⠖ ⠭⠘⠼⠃⠜⠐⠜⠐⠜

5. y is greater than or equal to one-half x minus seven.

$$y \geq \frac{1}{2}x - 7$$

⠽ ⠨⠅ ⠼⠁⠌⠃ ⠭ ⠤ ⠼⠛
⠽ ⠨⠅ ⠼⠁⠌⠃ ⠭ ⠤ ⠼⠛
⠽ ⠨⠅ ⠼⠁⠌⠃ ⠭ ⠤ ⠼⠛

6. m equals open fraction y sub two minus y sub one over x sub two minus x sub one close fraction.

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

⠍⠨⠅
⠽⠰⠆ ⠤ ⠽⠰⠂⠌⠭⠰⠆ ⠤ ⠭⠰⠂
⠽⠰⠆ ⠤ ⠽⠰⠂⠌⠭⠰⠆ ⠤ ⠭⠰⠂
⠽⠰⠆ ⠤ ⠽⠰⠂⠌⠭⠰⠆ ⠤ ⠭⠰⠂

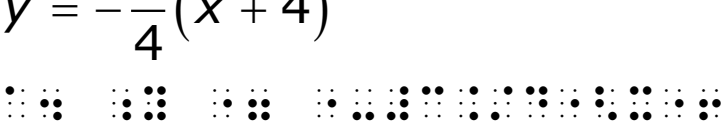
7. The square root of one hundred plus 21 end root equals eleven.

$\sqrt{100+21}=11$

⠈⠩ ⠨⠩⠠⠠⠠

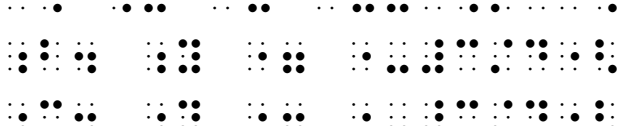
11. y is less than or equal to open absolute value x close absolute value minus nine.

$y \le |x| - 9$



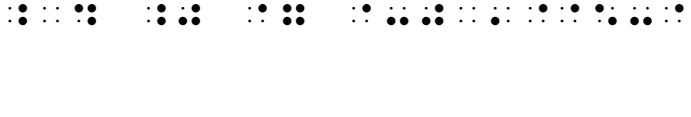
12. The measure of angle C equals thirty-six degrees.

$m\angle C = 36^\circ$



13. The fourth root of six hundred twenty-five end root equals five.

$\sqrt[4]{625} = 5$



14. y equals negative three-fourths open parenthesis x plus four close parenthesis.

$y = -\frac{3}{4}(x + 4)$

15. Four and five-ninths equals four point five with the five repeating.

$$4\frac{5}{9} = 4.\overline{5}$$

⠲⠲ ⠲⠲⠲⠲⠲⠲⠲ ⠲⠲ ⠲⠲⠲⠲⠲⠲⠲⠲⠲
⠲⠲⠲ ⠲⠲⠲⠲⠲⠲⠲ ⠲⠲ ⠲⠲⠲⠲⠲⠲⠲
⠲⠲⠲⠲ ⠲⠲⠲⠲⠲⠲⠲ ⠲⠲ ⠲⠲⠲⠲⠲⠲⠲⠲⠲

16. Capital V equals four-thirds pi r cubed.

$$V = \frac{4}{3}\pi r^3$$

⠲⠲ ⠲⠲⠲⠲ ⠲⠲ ⠲⠲⠲⠲⠲⠲⠲⠲⠲⠲⠲⠲
⠲⠲⠲ ⠲⠲⠲⠲ ⠲⠲ ⠲⠲⠲⠲⠲⠲⠲⠲⠲⠲⠲
⠲⠲⠲⠲ ⠲⠲⠲⠲ ⠲⠲ ⠲⠲⠲⠲⠲⠲⠲⠲⠲⠲⠲

17. Angle X is congruent to angle Y.

$$\angle X \cong \angle Y$$

⠲⠲ ⠲⠲⠲⠲⠲ ⠲⠲⠲ ⠲⠲⠲⠲⠲
⠲⠲⠲ ⠲⠲⠲⠲⠲ ⠲⠲⠲ ⠲⠲⠲⠲⠲
⠲⠲⠲⠲ ⠲⠲⠲⠲⠲ ⠲⠲⠲ ⠲⠲⠲⠲⠲

18. The square root of seventy-five is approximately equal to eight point seven.

$$\sqrt{75} \approx 8.7$$

⠲⠲ ⠲⠲⠲⠲⠲⠲⠲ ⠲⠲ ⠲⠲⠲⠲⠲
⠲⠲⠲ ⠲⠲⠲⠲⠲⠲⠲ ⠲⠲ ⠲⠲⠲⠲⠲
⠲⠲⠲⠲ ⠲⠲⠲⠲⠲⠲⠲ ⠲⠲ ⠲⠲⠲⠲⠲

19. Line MN is parallel to line OP.

    $\overleftrightarrow{MN} \parallel \overleftrightarrow{OP}$

    ⠠⠍⠝ ⠊⠎ ⠏⠁⠗⠁⠇⠇⠑⠇ ⠞⠕ ⠇⠊⠝⠑ ⠕⠏⠲
    ⠠⠍⠝ ⠊⠎ ⠏⠁⠗⠁⠇⠇⠑⠇ ⠞⠕ ⠇⠊⠝⠑ ⠕⠏⠲
    ⠠⠍⠝ ⠊⠎ ⠏⠁⠗⠁⠇⠇⠑⠇ ⠞⠕ ⠇⠊⠝⠑ ⠕⠏⠲

20. a sub n equals a sub one r to n minus one power.

    $a_n = a_1 r^{n-1}$

    ⠁ ⠎⠥⠃ ⠝ ⠑⠟⠥⠁⠇⠎ ⠁ ⠎⠥⠃ ⠕⠝⠑ ⠗ ⠞⠕ ⠝ ⠍⠊⠝⠥⠎ ⠕⠝⠑
    ⠁ ⠎⠥⠃ ⠝ ⠑⠟⠥⠁⠇⠎ ⠁ ⠎⠥⠃ ⠕⠝⠑ ⠗ ⠞⠕ ⠝ ⠍⠊⠝⠥⠎ ⠕⠝⠑
    ⠁ ⠎⠥⠃ ⠝ ⠑⠟⠥⠁⠇⠎ ⠁ ⠎⠥⠃ ⠕⠝⠑ ⠗ ⠞⠕ ⠝ ⠍⠊⠝⠥⠎ ⠕⠝⠑