

1

A

$$\begin{array}{r}
 55 \sqrt{2} \\
 1 \quad 27 \sqrt{2} \\
 \quad 1 \quad 18 \sqrt{2} \\
 \quad \quad 6 \sqrt{2} \\
 \quad \quad \quad 3 \sqrt{2} \\
 \quad \quad \quad \quad 1 \sqrt{2} \\
 \hline
 \end{array}$$

$$= 110111$$

$$\begin{array}{r}
 55 \sqrt{16} \\
 73 \\
 \hline
 \end{array}
 = 37$$

2

B

$$\begin{array}{r}
 1 \quad 0 \quad 1 \quad 1 \\
 \downarrow \quad \downarrow \quad \downarrow \quad \downarrow \\
 8+0+2+1 = 11
 \end{array}$$

$$\begin{array}{r}
 10 \quad 11 \\
 \hline
 B
 \end{array}$$

3a

$$38H = 56$$

$$3P = 111000$$