## Samples Programming with Python SOLUTIONS

1. The output is:

$$xs = [0 \ 0 \ 0 \ 48 \ 0 \ 0 \ 132]$$

**2.** The output is:

**3.** The output is:

$$ks = [13 \ 0 \ 0 \ 16 \ 0 \ 0 \ 19 \ 0]$$