

# Math 103/105 Quiz 1 Review


Name: \_\_\_\_\_

Please show all your work to get full credit.

1. Plot  $\frac{\sqrt{2}}{5}$ ,  $\frac{2\sqrt{2}}{5}$ ,  $\sqrt{2}$ ,  $-\frac{\sqrt{2}}{5}$ , and  $-\frac{3\sqrt{2}}{5}$  on the same number line. (Use  $\frac{\sqrt{2}}{5}$  as the increment.)



2. Fill in the missing entries the chart below. If an entry is greyed out, you do not have to fill anything in this entry. So just fill in the empty entries so that the items in that row make sense.

| Decimal Number | Percentage | Equivalent Fraction | Fraction in the simplest form | Graphical representation  |
|----------------|------------|---------------------|-------------------------------|---|
| 121.01         |            |                     |                               |   |
|                |            |                     |                               |  |
|                |            | $\frac{18}{15}$     |                               |   |
|                | 0.3%       |                     |                               |   |
|                |            | $\frac{\quad}{18}$  | $\frac{5}{3}$                 |   |