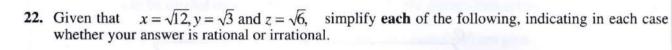


| 17. | (a) | Express 0-3427 as a fraction. | | | | |
|------|---|--|---------------------|--|--|--|
| | ********** | | | | | |
| | | | | | | |
| | *************************************** | | | | | |
| | (b) | Write down a value of x for which $x^{\frac{3}{2}}$ is rational. | [2 | | | |
| like | (c) | Give an example of an irrational number | I] | | | |
| | | (i) whose square is rational, | Securitina, in term | | | |
| | | (ii) whose square is irrational. | [1] | | | |
| | (d) | Find the value of $(\sqrt{32} + \sqrt{2})^2$. | [1] | | | |
| | | | | | | |
| | | | | | | |
| | | | [2] | | | |

| (b) | Show that $(\sqrt{72} - \sqrt{2})^2 = 50$. | | |
|-------------|---|------------|--|
| | | (81-13-03) | |
| | | | |
| •••••• | | | |
| | | Freezens s | |
| *********** | | | |
| | | | |
| (c) | Simplify | | |
| | (i) $16^{-\frac{7}{2}}$, | | |
| | | | |
| | (ii) 125 ^{2/3} . | | |
| | | | |
| | | | |
| | | TEST I | |

| 14. | Express 0-37 as a fraction. |
|-----|-----------------------------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |



| (a) | xy – 4 | | | | |
|-----|------------------|---|------|------|-------|
| | | | | - X- | |
| (b) | $\frac{x}{yz^2}$ | | | | ***** |
| | | | | | |
| | $(y+z)^2$ | | | | |
| | | *************************************** | | | |