**Homework – Irrational numbers and surds**

1) Express the following recurring decimals as fractions: a)  b)  c) 

2) State whether the following numbers are rational or irrational:

a) π b) √5 c) 0.4 d)  e)  f) ⅜ g) 

3) Write down two irrational numbers whose product is rational.

4) Write down two irrational numbers whose sum is rational.

5) Write down a rational number between √6 and √7

6) Write down an irrational number between 3 and 4.

7) Find an irrational number between 30 and 40.

8) Simplify: a) √20 b) √48 c)  d) 

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