## 1) Simplify $2\sqrt{45} \times 3\sqrt{20}$



2) Find the nth term of  $\frac{7}{1}$ ,  $\frac{5}{8}$ ,  $\frac{3}{27}$ ,  $\frac{1}{64}$ 

3) Solve  $tan(x) = \sqrt{3}$  for  $0^{\circ} \le x < 360^{\circ}$ 

4) Find the inverse function of  $f(x) = 4 - \frac{x}{3}$ 

5) Find the next term in the sequence  $\frac{4}{3}$ , 4, 12, 36, , ...