

Name: _____



maths-school.co.uk

1) Use your calculator to evaluate the following, leaving your full calculator display (8 digits or more):

a) 5.2^2

27.04

n) $\left(\frac{3}{4}\right)^2$

0.5625

b) $2 \div 5.6$

0.3571428

o) $2 \div \left(\frac{5}{6}\right)^3$

3.456

c) $\frac{4.1 \times 7}{9^2}$

0.3543209876

p) $\frac{18.5 \times \frac{1}{6}}{3^4}$

0.380658436

d) $\frac{2.1 \times 0.5}{5^3}$

0.0084

q) $\frac{\sqrt[3]{8.5} \times 4.2}{5^3}$

0.685718057

e) $(3.3 + 6.9)^2 \times 3.1$

322.524

r) $(8.1 - 4.5)^2 \times 2.1$

27.216

f) $(1.4 + 3.1)^2 \times 2.32$

46.98

s) $\frac{\sqrt{19.2+3.2^2}}{2.6 \times 1.3}$

1.605285203

g) $\frac{4.7 + 5.6}{3.1 \times 5.7}$

0.582908885

t) $\frac{5^{1.5}}{2} + \frac{\sqrt{4.8}}{6}$

5.955318315

h) $\frac{\sqrt{6.3}}{1.3 \times 6.79}$

0.284352564

u) $\frac{4.2^3 + 5.3}{6.4^{0.7}}$

21.64855330

i) $\sqrt{\frac{7}{8}}$

0.935414347

v) $\frac{\sqrt[3]{30.5} - 2.5}{1\frac{2}{5}}$

0.445999918

j) $4 - \sqrt[3]{6}$

2.182879407

w) $7\frac{1}{9} - \sqrt[4]{90}$

4.031040823

k) $\frac{6\pi}{7}$

2.692793703

x) $\sqrt[3]{\frac{9\pi^2 + 3.4}{2.3^3}}$

1.964373100

l) $\frac{3}{8} \times \sqrt{24.7}$

1.863716046

y) $\left(\frac{\sqrt[3]{12.4 - 7.2}}{6.8^{0.1}}\right)^{0.5}$

1.195937393

m) $\sqrt{6.2} - 1.2^4$

0.41637992

z) $\left(\frac{\sqrt[5]{8.3 + 6.5}}{5.4^{0.3}}\right)^\pi$

1.109257222

2) Use your calculator to evaluate the following, leaving your full calculator display (8 digits or more):

a) $\sin(35)$

0.573576436

d) $\tan^{-1}(15)$

86.18592517

b) $\cos(50)$

0.64278761

e) $\cos^{-1}(0.4)$

66.42182152

c) $\tan(28)$

0.531709432

f) $\sin^{-1}(0.8)$

53.13010235

Exam question:Use your calculator to work out $\sqrt{40 + 80 \times \frac{1}{5}}$ a) Write down your **full** calculator display.

a) 7.48331477

b) Round your answer to 2 decimal places.

b) 7.48

