

Name:

Class/Set:

Remove Hall for Monday 22nd March

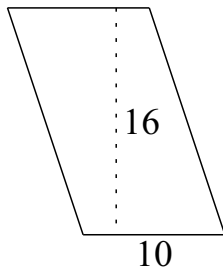
Malvern College

1: Work out the following (all units are in cm):



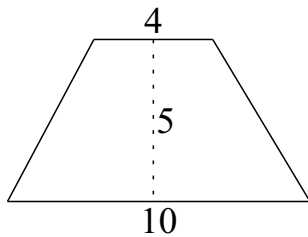
Find the area.

2: Work out the following (all units are in cm):



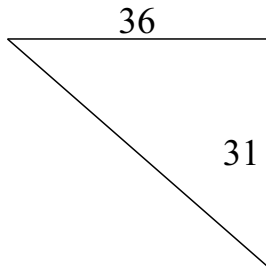
Find the area.

3: Work out the following (all units are in cm):



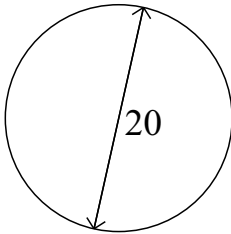
Find the area.

4: Work out the following (all units are in cm):



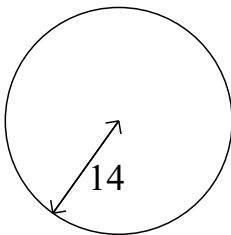
Find the area.

5: Work out the following (all units are in cm):



Find the circumference.

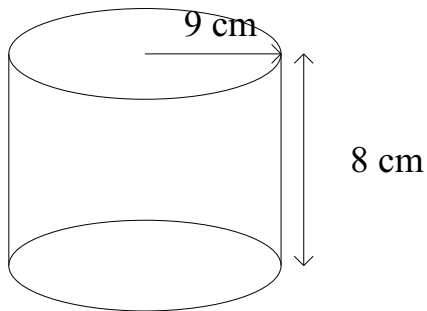
6: Work out the following (all units are in cm):



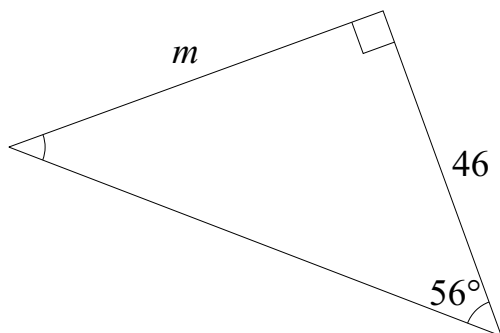
Find the area.

7: Work out the following:

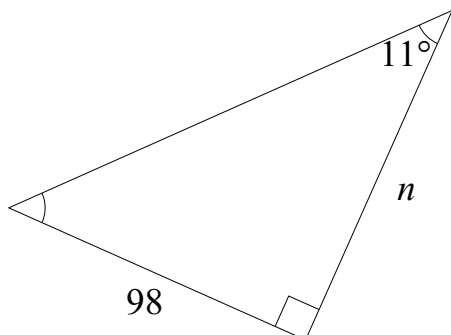
Find the volume of this cylinder to 3 sig figs.



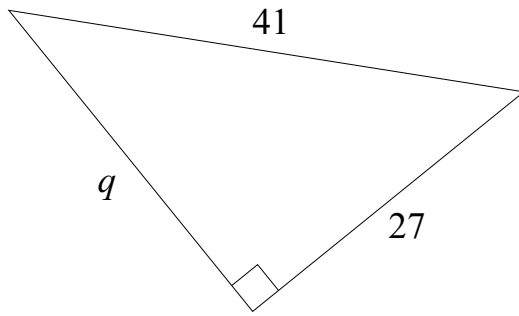
8: Find the unknown quantity (correct to 1 decimal place):



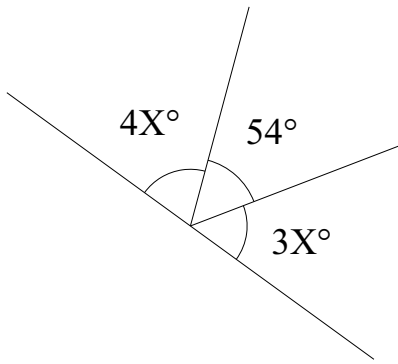
9: Find the unknown quantity (correct to 1 decimal place):



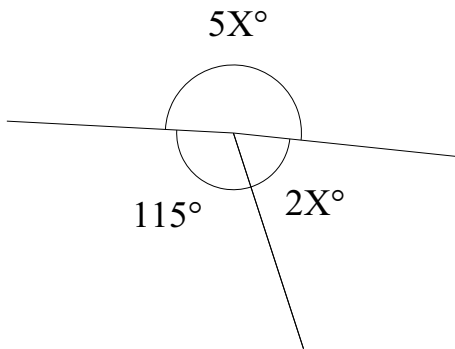
10: Find the unknown quantity (correct to 1 decimal place):



11: Calculate the unknown angle(s) [diagrams are not accurately drawn]:



12: Calculate the unknown angle(s) [diagrams are not accurately drawn]:



13: Work out the following:

Find 99% of £2,670.00.

14: Work out the following:

Increase 78700 g by 1.2%

15: Calculate the following to the nearest £0.01.

The value after 4 years of £5,900.00 invested at 11% p/a compound interest.

16: Work out the following:

If a jacket is reduced by 84% in a sale to £7.52, find the original price.

17: Work out the following:

Share 63 in the ratio 5:2

18: Multiply out and simplify the following:

$$(f + 3)(f - 7)$$

19: Multiply out and simplify the following:

$$(5g - 1)(3g - 8)$$

20: Factorise the following:

$$e^2 + 9e + 20 = \underline{\hspace{2cm}}$$

21: Solve the following:

$$7w + 9 = 16$$

26: Work out the following, showing your method and simplifying your answer:

Show that $1\frac{3}{4} + 4\frac{3}{10} = 6\frac{1}{20}$

27: Work out the following, showing your method and simplifying your answer:

Show that $1\frac{1}{6} \times 3\frac{1}{3} = 3\frac{8}{9}$

28: Sort these decimals into **ascending** order, starting with the **smallest** one:

0.0391, 0.0303, 0.3091, 0.399, 0.3303, 0.3099

_____, _____, _____, _____, _____, _____

29: Round to the required accuracy:

8.38582363 to 4 d.p. = _____

30: Round to the required accuracy:

0.0418 to 1 s.f. = _____

31: Write as a normal number:

$1.41 \times 10^3 =$ _____

32: Write the following in standard form:

1274800 = _____

33: Write as a normal number:

$4.139 \times 10^{-4} =$ _____

34: Write the following in standard form:

0.001 = _____