

Interleaf 6

1) Construct a triangle with side lengths 6cm, 5cm and 8cm.

Measure the angle between the 6cm and 8cm sides.

2) Calculate

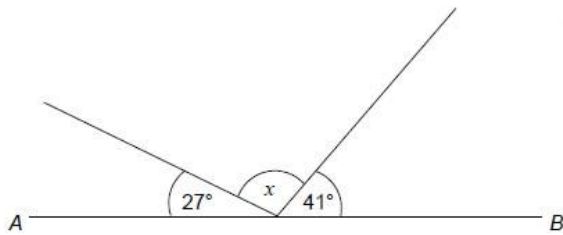
a) $-10 + -3$ b) $-2 - -8$ c) $(-6)^2$ d) $-30 \div -5$

3) Round 80.97621 to 1dp

4) Solve for x :

a) $6x - 1 = 13$ b) $\frac{x}{5} - 1 = 2$ c) $x + 2 = 4x + 9$

5) Find x



6) The conversion graph is used for converting speeds from km/hr to mph.

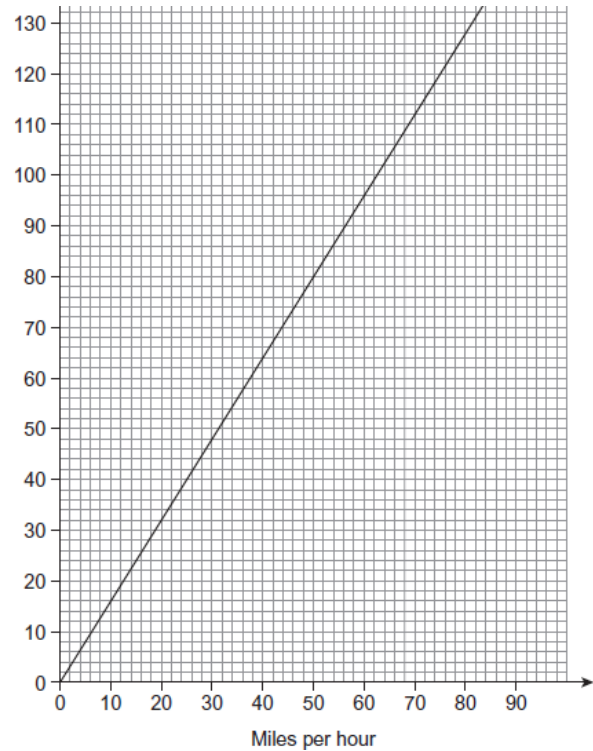
a) Convert 30mph into km/hr

b) Convert 100km/hr into mph

7) Find the nth term formula for:

6, 10, 14, 18, 22, ...

Kilometres
per hour



Answers

1) 38-39° perfect but 36-41° acceptable 2) a) -13 b) 6 c) 36 d) 6 3) 81.0 4) a) $\frac{7}{3}$ b) 15 c) $-\frac{7}{3}$ 5) 112

6a) 48 b) 62 7) $4n+2$