*****   Mathematical Amusement *****

Collected from Exam Papers

1

Problem: Simplify

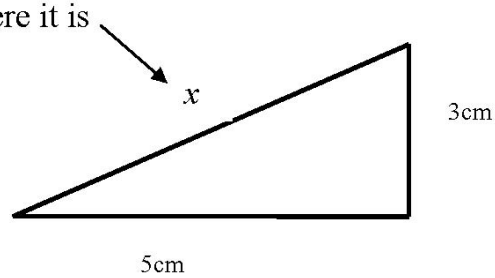$$\frac{2}{\sqrt{2}} = ?$$

Answer:

$$\frac{\not{2}}{\sqrt{\not{2}}} = \frac{}{\sqrt{}}$$

2
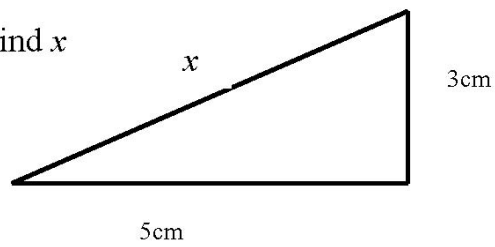
Problem: Find x

Answer: Here it is

3

Problem: Find limit as $n \to \infty$

$$\frac{1}{n} \sin x = ?$$

Answer:

$$\frac{1}{n} \sin x = \frac{1}{\cancel{n}} \sin\!\!\!\!\diagup x = six = 6$$

4

Problem: Given that

$$\lim_{x \to 8} \frac{1}{x - 8} = \infty$$

Find

$$\lim_{x \to 5} \frac{1}{x - 5} = ?$$

Answer:

$$\lim_{x \to 5} \frac{1}{x - 5} = 5$$

5

Problem: Expand

$$(a+b)^n = ?$$

Answer:

$$(a+b)^n$$
$$= \qquad (a \quad + \quad b)^n$$
$$= \qquad (a \qquad + \qquad b)^n$$
$$= (a \qquad\qquad + \qquad\qquad b)^n$$
$$= \qquad \cdots\cdots\cdots$$

GRC ☺