

In the diagram above, |PQ| = |QR|, $|PS| = |RSL| \times R G \Theta$ and $\angle PQR = 80^{\circ}$. Find $\angle SPQ$.

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- 50°
- 55°

Answer Details

oin PR

QRP = QPR

 $= 180 - 80 = \frac{100}{20} = 50^{\circ}$

SRP = SPR

$$= 180 - 30 = \frac{150}{2} = 75^{\circ}$$

:. SPQ = SPR - QPR

Given that 1/2 log₁₀ P = 1, find the value Of P

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- O 10⁻¹

Answer Details

1/2log10P

$$log_{10}P^{1/2} = 1$$

$$P^{1/2} = 10$$

$$p = 10^2$$

Obi borrows #10.00 ab toler month simple for est and repays #8.00 after 4 months, how much does he still owe? Page 35

- ₩10.80
- ₩10.65
- → ¥2.80
- ₩2.67

Find the two value of y which satisfy the simultaneous equation 3x + y = 8, $x^2 + xy = 6$ Preview Page

-1 and 5 \odot

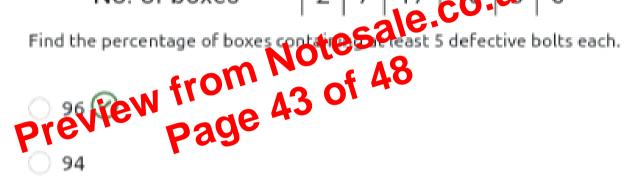
-5 and 1

1 and 5

1 and 1

Fifty boxes each of 50 bolts were inspected for the number which were defective. The following was the result:

No. defective per box	4	5	6	7	8	9
No. of boxes	2	7	17	-10 -	UK	6



- 92
- 90

Answer Details

% of boxes containing at least 5 defective bolts each

$$=\frac{48}{50} \times \frac{100}{1}$$

Simplify $\cos^2 x (\sec^2 x + \sec^2 x \tan^2 x)$

- tanx secx from Notes ale.co.uk

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 1+tan²x sec²x
 - cosec²x

Answer Details

$$cos2 x (sec2x + sec2 x tan2x)$$

$$= \frac{cos2x}{cos2x} x \frac{cos2xsin2x}{cos2xcos2x}$$

$$= \frac{\frac{1+sin2x}{cos2x}}{\frac{1+tan2x}{sec2x}}$$

What is the product of $\frac{27}{5^1}(3)^{-3}$ and $\frac{(1)^{-1}}{5}$?

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Answer Details

$$\frac{27}{5^1}$$
(3)⁻³ x $\frac{(1)^{-1}}{5}$ = $\frac{27}{5}$ x $\frac{1}{3^3}$ x $\frac{1}{\frac{1}{5}}$

$$=\frac{27}{5} \times \frac{1}{27} \times \frac{5}{1}$$

= 1

Solve the equation (x - 2)(x - 3) = 12

O -1,6 ew from Notesale.co.uk Preview from 48 of 48 Page 48 of 48

Answer Details

$$(x - 2) (x - 3) = 12$$

$$x^2 - 3x - 2x + 6 = 12$$

$$x^2 - 5x - 6 = 0$$

$$(x - 1)(x - 6) = 0$$

$$x = -1 \text{ or } 6$$