



Example for Worksheet

Name:.....

Date:.....

What is the equation?

A) $y = |x - 2|$
 B) $y = |x + 2|$
 C) $y = |2x|$
 D) $y = |2x + 2|$

Designed using: **Autograph**

Correct Answer: A B C D

Explanation:

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There are 15 people in Group 5. What is the Frequency Density of that group?

A) 0.3
 B) 0.75
 C) 15
 D) 30

Designed using: **Autograph**

Correct Answer: A B C D

Explanation:

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What vector describes the translation from shape U to shape T?

A) $\begin{pmatrix} 0 \\ 5 \end{pmatrix}$
 B) $\begin{pmatrix} 5 \\ 0 \end{pmatrix}$
 C) $\begin{pmatrix} 0 \\ 3 \end{pmatrix}$
 D) $\begin{pmatrix} 3 \\ 0 \end{pmatrix}$

Designed using: **Autograph**

Correct Answer: A B C D

Explanation:

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What is the best next step to solve this equation by trial and improvement?

A) Try $x = 5.71$

Solve $x^2 - x = 27$ (to 1 d.p)

B) No more to do as you know the answer is $x = 5.7$

C) Try $x = 5.75$

D) Keep trying x values until you get as close to 27 as possible

x	$x^2 - x$	27
5	$5^2 - 5 = 20$	too small
6	$6^2 - 6 = 30$	too big
5.5	$5.5^2 - 5.5 = 24.75$	too small
5.6	$5.6^2 - 5.6 = 25.76$	too small
5.7	$5.7^2 - 5.7 = 26.79$	too small
5.8	$5.8^2 - 5.8 = 27.84$	too big

Correct Answer: A B C D

Explanation:

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What would answer would your calculator give if you typed in:

$$3 + 2 \times 5$$

A) 35

B) 10

C) 160

D) 13



Correct Answer: A B C D

Explanation:

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If something costs £7.87, how much change do you get from £10?



Correct Answer: A B C D

Explanation:

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Write the following number in non-standard form:

$$2.03 \times 10^2$$

A) 203

C) 2.0300

B) 2.03

D) 0.0203

Correct Answer: A B C D

Explanation:

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How many minutes in 1.4 hours?

A) 64

C) 84

B) 100

D) 140

Correct Answer: A B C D

Explanation:

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Make p the subject of the following equation:

$$m = 2p - 5$$

A) $p = \frac{m}{2} + 5$

C) $p = \frac{m+5}{2}$

B) $p = 2m - 5$

D) $p = \frac{m-5}{2}$

Correct Answer: A B C D

Explanation:

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