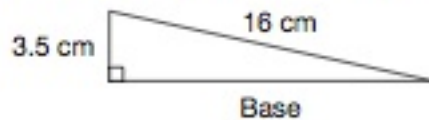


Grade 9 EQAO Questions (from the 2010-2011 Academic Assessment)

- align w/ Gr. 8 GSS Geometric Relationships expectation(s)

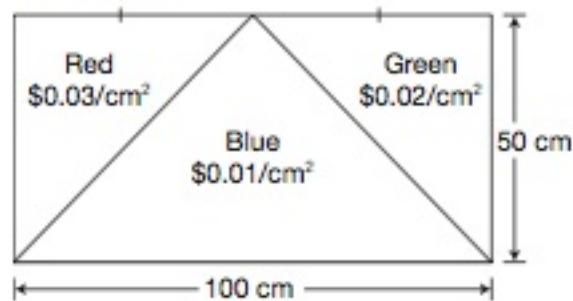
- 25** Consider the following triangle.



Which expression can be used in the process of determining the length of the base?

- a $16^2 - 3.5^2$
 - b $16^2 + 3.5^2$
 - c $\sqrt{16 + 3.5}$
 - d $\sqrt{16 - 3.5}$
- 26** Pablo is designing a rectangular flag that consists of three coloured triangles.

The picture below shows the colours of the triangles and the cost of each colour of material.

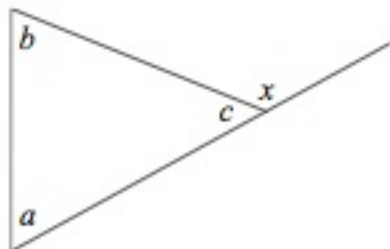


What is the total cost of the material?

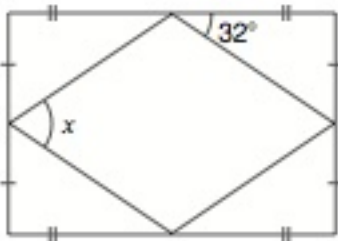
- a \$75.00
- b \$87.50
- c \$150.00
- d \$175.00

- 28** Consider the diagram below.

Which of the following equations is always true?



- a** $x = a + b$
 - b** $x = b + c$
 - c** $x = a - b$
 - d** $x = b - c$
- 29** A rectangular sign is built as shown below. The four supports for the back of the sign form four congruent triangles.

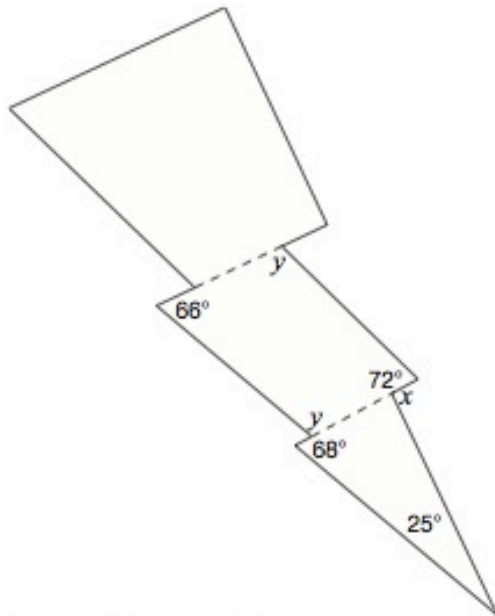


What is the value of x ?

- a** 26°
- b** 32°
- c** 58°
- d** 64°

31 Shazam

Pravin designs a lightning bolt using two quadrilaterals and one triangle as shown below.



Complete the table below.

Justify your answers using geometric properties.

Angle measure	Justification
$x = \underline{\hspace{2cm}}$	
$y = \underline{\hspace{2cm}}$	