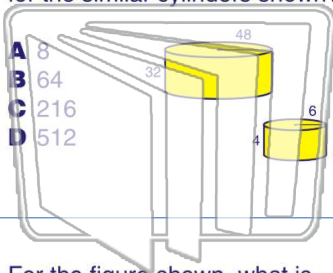




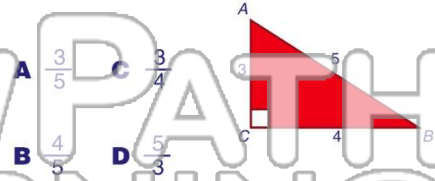
Name _____ Class _____ Date _____

1 What is the **ratio** of the volumes of the **larger** cylinder to the **smaller** cylinder for the similar cylinders shown?



- A 8
- B 64
- C 216
- D 512

2 For the figure shown, the **sine** of $\angle B$ is ____?



- A $\frac{3}{5}$
- B $\frac{4}{5}$
- C $\frac{3}{4}$
- D $\frac{5}{3}$

3 For the figure shown, what is the **cosine** of $\angle D$?

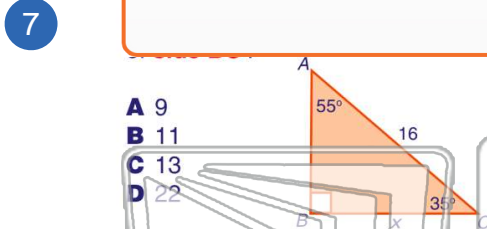


4 For the figure shown, what is the **tangent** of $\angle N$?

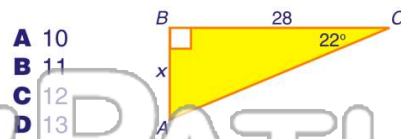


PREVIEW

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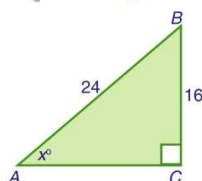
- A 9
- B 11
- C 13
- D 22



- A 10
- B 11
- C 12
- D 13

9 What is the approximate measure of the **missing angle** of the triangle shown?

- A 34°
- B 42°
- C 48°
- D 99°



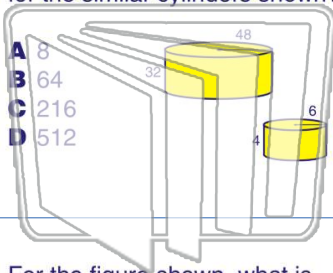
10 A person on a cliff sees a boat in the water **156 yards** away. If the boat is **98 yards** from shore, what is the **angle** from which the person sees the boat?

- A 32°
- B 39°
- C 51°
- D 58°



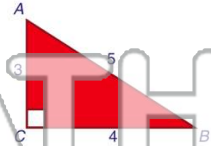
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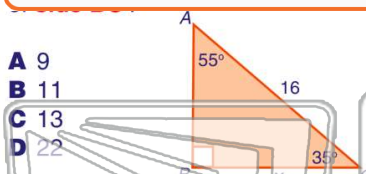
5



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7

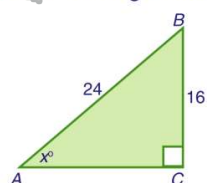


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