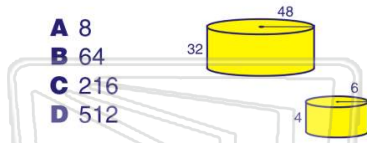




Name _____ Class _____ Date _____

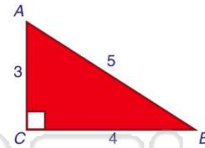
- 1 What is the **ratio** of the volumes of the **larger** cylinder to the **smaller** cylinder for the similar cylinders shown?

- A 8
B 64
C 216
D 512



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

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



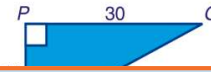
- 3 For the figure shown, what is the **cosine** of $\angle D$?

- A $\frac{12}{13}$ C $\frac{13}{12}$



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

- A $\frac{16}{27}$ C $\frac{16}{28}$



5

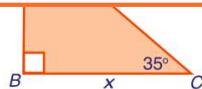


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7

- C 13
D 22

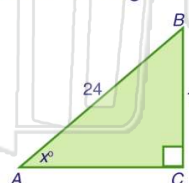


- C 12
D 13



- 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?

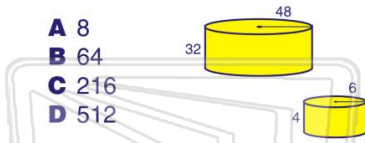
- A 32°
B 39°
C 51°
D 58°



Name _____ Class _____ Date _____

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

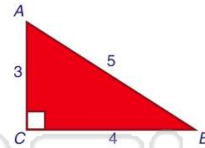
- A 8
- B 64
- C 216
- D 512



(D)

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

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



(A)

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

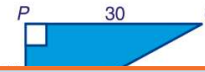
- A $\frac{12}{13}$
- C $\frac{13}{12}$



(B)

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

- A $\frac{16}{27}$
- C $\frac{16}{22}$



(D)

5



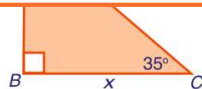
(C)

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7

- C 13
- D 22



(B)

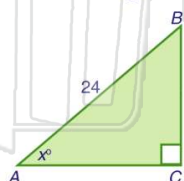
- C 12
- D 13



(B)

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

- A 34°
- B 42°
- C 48°
- D 99°



(B)

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°

(B)