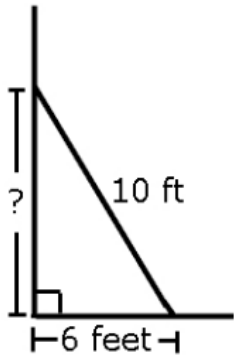
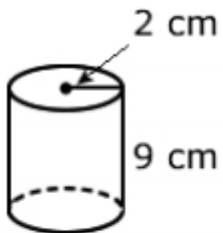


Week 3 Tuesday Course 3 Warm-up

A 10-foot ladder is leaned up against a house. If the bottom of the ladder is 6 feet from the side of the house, how far up the side of the house does the ladder reach?



Which is closest to the volume of the cylinder below?



Use $\pi = 3.14$

- A) 6.28 cubic cm
- B) 12.56 cubic cm
- C) 56.52 cubic cm
- D) 113.04 cubic cm

What is the solution?

$$\begin{cases} 2x - y = 0 \\ x + 2y = 10 \end{cases}$$

- A) $x = -10, y = 10$
- B) $x = -3\frac{1}{3}, y = 6\frac{2}{3}$
- C) $x = 2, y = 4$
- D) There are no solutions.

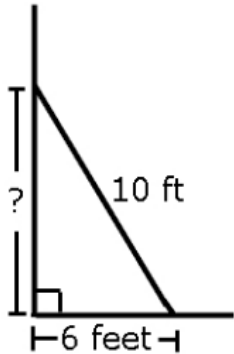


Which of the following is an irrational number?

- A) 2
- B) $\sqrt{2}$
- C) -0.0005
- D) $\sqrt{16}$

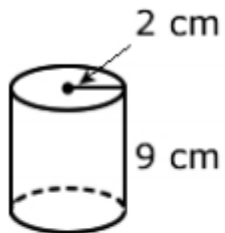
Week 3 Tuesday Course 3 Warm-up

A 10-foot ladder is leaned up against a house. If the bottom of the ladder is 6 feet from the side of the house, how far up the side of the house does the ladder reach?



8 feet

Which is closest to the volume of the cylinder below?



Use $\pi = 3.14$

- A) 6.28 cubic cm
- B) 12.56 cubic cm
- C) 56.52 cubic cm
- ✓ D) 113.04 cubic cm

What is the solution?

$$\begin{cases} 2x - y = 0 \\ x + 2y = 10 \end{cases}$$

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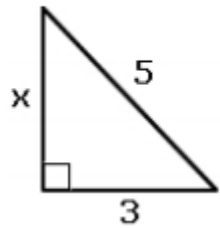


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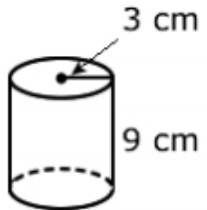
Week 3 Wednesday Course 3 Warm-up

What is the value of x in the diagram below?



- A) 3
- B) 3.5
- C) 4
- D) 5

Which is closest to the volume of the cylinder below?



Use $\pi = 3.14$

- A) 28.26 cubic cm
- B) 169.56 cubic cm
- C) 254.34 cubic cm
- D) 282.6 cubic cm

What is the solution?

$$\begin{cases} x - y = 1 \\ x + y = -1 \end{cases}$$

- A) $x = 0, y = -1$
- B) $x = 0, y = 1$
- C) $x = -1, y = 0$
- D) $x = 1, y = 0$

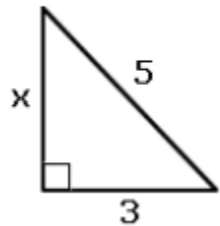


Which of the following is an irrational number?

- A) 5.443
- B) -3.21
- C) 3.4562×10^3
- D) $\sqrt{3}$

Week 3 Wednesday Course 3 Warm-up

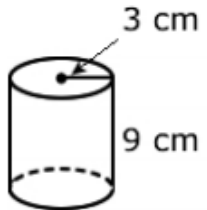
What is the value of x in the diagram below?



- A) 3
- B) 3.5
- C) 4
- D) 5

4

Which is closest to the volume of the cylinder below?



Use $\pi = 3.14$

- A) 28.26 cubic cm
- B) 169.56 cubic cm
- ✓ C) 254.34 cubic cm
- D) 282.6 cubic cm

What is the solution?

$$\begin{cases} x - y = 1 \\ x + y = -1 \end{cases}$$

- ✓ A) $x = 0, y = -1$
- B) $x = 0, y = 1$
- C) $x = -1, y = 0$
- D) $x = 1, y = 0$

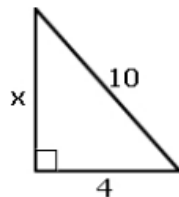


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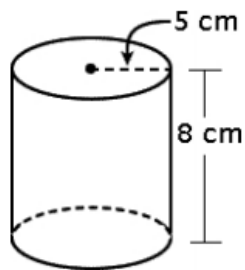
Week 3 Thursday Course 3 Warm-up

What is the value of x to the nearest tenth in the diagram below?



- A) 4.6
- B) 6
- C) 9.2
- D) 10

What is the approximate volume of the cylinder?



- A) 126 cubic cm
- B) 251 cubic cm
- C) 628 cubic cm
- D) 1,005 cubic cm

What is the solution to this system of equations?

$$3x + 6y = 1$$

$$x - 4y = 1$$

- A) $(0, -\frac{1}{4})$
- B) $(\frac{2}{9}, \frac{1}{18})$
- C) $(\frac{1}{2}, -\frac{1}{8})$
- D) $(\frac{5}{9}, -\frac{1}{9})$

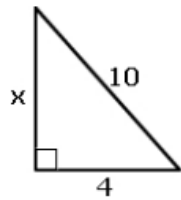
Which of the following is an irrational number?

- A) $\sqrt{3}$
- B) $\sqrt{4}$
- C) $\sqrt{16}$
- D) $\sqrt{25}$



Week 3 Thursday Course 3 Warm-up

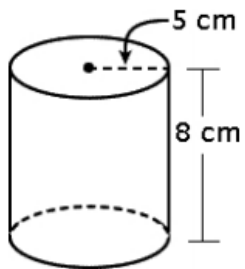
What is the value of x to the nearest tenth in the diagram below?



- A) 4.6
- B) 6
- C) 9.2
- D) 10

9.2

What is the approximate volume of the cylinder?



- A) 126 cubic cm
- B) 251 cubic cm
- ✓ C) 628 cubic cm
- D) 1,005 cubic cm

What is the solution to this system of equations?

$$3x + 6y = 1$$

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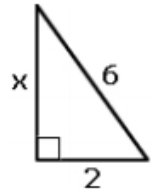
Which of the following is an irrational number?

- ✓ A) $\sqrt{3}$
- B) $\sqrt{4}$
- C) $\sqrt{16}$
- D) $\sqrt{25}$



Week 3 Friday Course 3 Warm-up

What is the value of x to the nearest tenth in the diagram below? What is the solution to this system of equations?



$$2x - y = 8$$

$$x + y = 4$$

- A) 4
- B) 5
- C) 5.7
- D) 6.3

A) (2, -4)

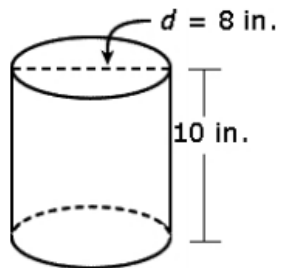
B) (4, 0)

C) (6, 4)

D) (12, -8)

Which of the following is an irrational number?

What is the approximate volume of the cylinder?



- A) 2,010 cubic inches
- B) 628 cubic inches
- C) 502 cubic inches
- D) 251 cubic inches

A) -4.6

B) $\sqrt{64}$

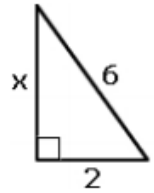
C) $\frac{\sqrt{3}}{\sqrt{4}}$

D) $\frac{-2.5}{-8.9}$



Week 3 Friday Course 3 Warm-up

What is the value of x to the nearest tenth in the diagram below? What is the solution to this system of equations?



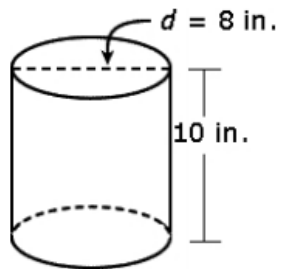
- A) 4
- B) 5
- C) 5.7
- D) 6.3

5.7

$$\begin{aligned}2x - y &= 8 \\ x + y &= 4\end{aligned}$$

- A) (2, -4)
- ✓ B) (4, 0)
- C) (6, 4)
- D) (12, -8)

What is the approximate volume of the cylinder?



- A) 2,010 cubic inches
- B) 628 cubic inches
- ✓ C) 502 cubic inches
- D) 251 cubic inches

Which of the following is an irrational number?

- A) -4.6
- B) $\sqrt{64}$
- ✓ C) $\frac{\sqrt{3}}{\sqrt{4}}$
- D) $\frac{-2.5}{-8.9}$

