

AGENDA

Review solving for **roots** with SQUARE ROOTS

- 1) Take out HW to be checked (LINKS sheets)
- 2) DEMO at Board
- 2) White Board Practice
- 3) Exit Ticket

HW: Solve by Square rooting worksheet

Review solving for **roots** with SQUARE ROOTS

When you take the square root of a number-
how many solutions are there? _____

Remember: $\sqrt{9} =$ _____ or _____ (or simply _____)

Examples:

a) $x^2 = 81$

b) $x^2 = 8$

c) $x^2 - 49 = 0$

d) $x^2 - 8 = 16$

e) $(x - 1)^2 = 169$

f) $(x - 2)^2 = 196$

_____ out of 5

Name _____

Block _____

EXIT TICKET

Solve for x.

1) $(x - 3)^2 = 49$

_____ out of 5

Name _____

Block _____

EXIT TICKET

Solve for x.

1) $(x - 3)^2 = 49$

HW: Solve by Square rooting worksheet

- 1) Solve for d .

$$d^2 = 36$$

Write your answers as integers or as proper or improper fractions in simplest form.

$$d = \boxed{} \text{ or } d = \boxed{}$$

- 2) Solve for u .

$$u^2 - 100 = 0$$

Write your answers as integers or as proper or improper fractions in simplest form.

$$u = \boxed{} \text{ or } u = \boxed{}$$

- 3) Solve for q .

$$q^2 - 121 = 0$$

Write your answers as integers or as proper or improper fractions in simplest form.

$$q = \boxed{} \text{ or } q = \boxed{}$$

- 4) Solve for d .

$$d^2 + 48 = 64$$

Write your answers as integers or as proper or improper fractions in simplest form.

$$d = \boxed{} \text{ or } d = \boxed{}$$

- 5) Solve for g .

$$g^2 - 57 = 64$$

Write your answers as integers or as proper or improper fractions in simplest form.

$$g = \boxed{} \text{ or } g = \boxed{}$$

6) $(x - 3)^2 = 144$

7) $(x + 2)^2 = 9$

8) $(x - 4)^2 = 25$

9) $(x + 9)^2 = 36$

10) $(x - 7)^2 = 42$

11) $(x + 8)^2 = -49$

12)

How many real solutions does the equation have?

$$s^2 = 0$$

- no real solution
- one real solution
- two real solutions

13)

How many real solutions does the equation have?

$$d^2 = 39$$

- no real solution
- one real solution
- two real solutions

14)

How many real solutions does the equation have?

$$f^2 = -16$$

- no real solution
- one real solution
- two real solutions

15)

How many real solutions does the equation have?

$$3v^2 = -87$$

- no real solution
- one real solution
- two real solutions