① No warm up
Discuss pg. 8 Terms formulas → EQ "Midpoint"

② Get into home groups
(grab big whiteboard, markers, erasers)

Start w/ Ex. 1 → Ex. 3b
(students teach)
- what is the goal?
- is there a formula needed
- process to solve

↳ CW grade

③ When finished, try out similar problems from textbook

↓

HW: pg. 19-21 # 5-21(o)
24-25, 32, 43

Geometry
1.2 ½ Simplify Radicals B

Name: Key
Date: _____ Period: ____

Simplify. Assume each radical represents a real number.

1. $\sqrt{175} = 5\sqrt{7}$

25 7
5 5

2. $\sqrt{27} = 3\sqrt{3}$

3 9
3 3

3. $\sqrt{5} \cdot \sqrt{20} = \sqrt{100} = 10$

10 10

4. $\sqrt{10} \cdot \sqrt{6} \cdot \sqrt{3} = \sqrt{180} = 3 \cdot 2\sqrt{5} = 6\sqrt{5}$

18 10
9 2 2 5
3 3

5. $\sqrt{\frac{20}{25}} = \frac{\sqrt{20}}{\sqrt{25}} = \frac{2\sqrt{5}}{5}$

20
4 5
2 2

6. $\sqrt{\frac{48}{9}} = \frac{\sqrt{48}}{\sqrt{9}} = \frac{4\sqrt{3}}{3}$

48
4 12
4 3

7. $\sqrt{15^2} = 15$

8. $\sqrt{(-12)^2} = 12$

9. $\sqrt{x^2} = x$