Objective: SWBAT solve for missing parts of right triangles using trigonometry.

Kickoff- Directions: Answer each of the following questions.

1) Complete the square: $x^2 - 4x - 22 = 0$

2) Find $f^{-1}(x)$ of $f(x) = 3x - 5$

3) Simplify: $5\sqrt{27} + 6\sqrt{3} - 4\sqrt{48}$

4) Solve for x: $\sqrt{5x+1} - 6 = 0$

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Find the value of each trigonometric ratio as fractions in their simplest form.

1) tan A

2) sin X

3) cos A

4) tan Z

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Find the missing side. Round answers to the nearest tenth.

5)

6)

7)

8)

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9)

10)

11)

12)

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Find the measure of the indicated angle to the nearest degree.

13)

14)

15)

16)

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17)

18)

19)

20)

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