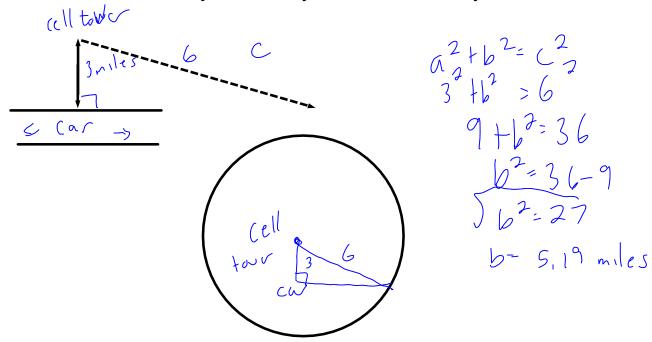
Bell Work:

Solve: You are a passenger in a car. You are using a cell phone that connects with the cell tower shown. The tower has an effective range of 6 miles. How many miles do you have to finish your call?



Simplify

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$$(3) 2^{3} \cdot 45^{3} \cdot 50^{3}$$

$$27000^{3}$$

$$27^{4} = 3$$

$$3^{2}$$

$$3^{2}$$

$$27,000$$

When converting from an exponential expression to a radical expression, the denominator is the index, and the numerator is the power.

$$(2y)^{1/3}$$

$$(6) a^{-1.6} = -\frac{6}{10} = -\frac{8}{5} = -\frac{8}{5}$$

5)
$$(2y)^{1/3}$$

$$3 (2y)$$

$$(6) a^{-1.6}$$

$$a^{-\frac{8}{5}} = \frac{1}{6^{\frac{8}{5}}} = \frac{5a^{2}}{5a^{8}} = \frac{5a^{2}}{5a^{2}}$$

$$-1.6 = -\frac{6}{10} = -\frac{3}{5} = -\frac{8}{5}$$

$$5 a^{2}$$

index X3 > exponer to

 $\sqrt{\chi^3} = \chi^{\frac{3}{2}}$

When converting a radical expression into an exponential expression, the exponent (power) goes in the numerator and the index goes into the denominator

 $7) \sqrt[3]{x^5}$ $\frac{5}{3}$

(8) \((6a) \frac{4}{2} \)

(6a)²

36 a²