
 a a e, a d ea a e f be. S de ec g ee a f 2 $2(y / x=m \quad y=m x) a \quad$ eca $\quad$ ea $a \quad(y=m x+b)$, de ad g a ec a f 2 a (m) e a d ega 2 ae e g e g.Te de ad a e fa e a c a aefcage, af e $\quad$-c $d$ aecage $b a$ A, e y-c d aecage b ea m.A.S de a ea ea e a decbe ea ca be ee a e b a aeda ( c $a$ a .eg f de aca .A gade, g e de, ada e g edaaaed ef a.le efer de e c ef fedáa e de e bee ee e


g a e a . S de e e f ea e a abe
 ae e a e.S de ea e a , e f ea e a , ea $f$ c ad e de ad gfa a a f a f a a d 2be.


Know that there are numbers that are not rational, and approximate them by rational numbers.

 daga , a de ae e a e fe (e.g., ${ }^{2}$ ). For example, by truncating the decimal expansion of 2 , show that 2 is between 1 and 2 , then between 14 and 15 , and explain how to continue on to get better approximations.

## Work with radicals and integer exponents.



```
    e ae e ca e . For example, \(3^{2} \quad 3^{-5}=3^{-3}=1 / 3^{3}=1 / 27\).
2. \(U\) e \(a e \quad a d c b\)
```



```
    \(f a \operatorname{fec} c\) be.K a 2 a
```


3. De c be e effec fda, a a a d e ec
4. $U$ de a d a a $-d$ e $a . g$ e $a \quad a \quad e \quad f$ ec dca be ba edf e. b a e e ce f a , e ec , a a , a ddara $d$
be ee ér
a , de c be a e e ce a e b e a
5. Ue f a ag e e ab fac ab eage a d e e a gef a ge, ab eageceaed e a e e a ec b a a e a a d e a ge-a gecer e f a
a ge. For example, arrange three copies of the same triangle so that the sum of the three angles appears to form a line, and give an argument in terms of transversals why this is so.

## Understand and apply the Pythagorean Theorem.


Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.


